

Date of Request: 20-DEC-2018  
 Created By: KING\_M On: 20-DEC-2018  
 Modified By: WATTS\_J On: 13-FEB-2019  
 Customer: NW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northwest District  
 Sampling Event: PENS/CANT Run

**Send Coolers To:**

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

Program Module Number:  
 Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 02-JAN-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 07-JAN-2019  
 Sampling Kit Required: YES Ship on: 15-JAN-2019  
 Sampling Kit Shipped: YES On: 14-JAN-2019  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 21-JAN-2019  
 Received By: SHAIK\_A On: 24-JAN-2019

**Send Final Report To:**

160 Government Center  
 Suite 208  
 Pensacola, FL 32502-5794  
 Attn: Cheryl Bunch

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

Comments: Group A: Nutrients, Tracers, Markers, Pesticides, Bacteria

Group B: Nutrients, Tracers, Markers, Bacteria

Group C: Nutrients, Bacteria

Group D: Nutrients no chlorophyll, Tracers, Pesticides

Packing Notes:

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

|                       |                      |                                                                                                        |
|-----------------------|----------------------|--------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L     | Number of Bottles: 2 | Preserved With: ICE                                                                                    |
| ALKALINITY            | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                             |
| Total Alkalinity      |                      |                                                                                                        |
| TURBIDITY             | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                     |
| Turbidity             |                      |                                                                                                        |
| W-CL-IC               | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                      |
| Chloride              |                      |                                                                                                        |
| W-COLOR               | Template: DEFAULT    | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                        |
| Color (true)          |                      |                                                                                                        |
| W-F                   | Template: DEFAULT    | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| Fluoride              |                      |                                                                                                        |
| W-SO <sub>4</sub> -IC | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                       |
| Sulfate               |                      |                                                                                                        |
| W-TDS                 | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                            |
| TDS                   |                      |                                                                                                        |
| W-TSS                 | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample        |
| TSS                   |                      |                                                                                                        |

|                    |                      |                                                                                    |
|--------------------|----------------------|------------------------------------------------------------------------------------|
| Bottle Type: BG-1L | Number of Bottles: 6 | Preserved With: ICE                                                                |
| W-PSNP-TQ          | Template:            | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS |
| *Dimethenamid      |                      |                                                                                    |
| *Dithiopyr         |                      |                                                                                    |

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                              |                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Bottle Type: BG-1L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Number of Bottles: 6                                                                                         | Preserved With: ICE                                  |
| W-PSNP-TQ    Template:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS                           |                                                      |
| *Fipronil Desulfinyl<br>*Oxadiazon<br>*Prodiamine<br>*Tebuconazole<br>Acetochlor<br>Alachlor<br>Ametryn<br>Atrazine<br>Atrazine Desethyl<br>Azinphos Methyl<br>Bromacil<br>Butylate<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<br>Mevinphos<br>Molinate<br>Norflurazon<br>Parathion Ethyl<br>Parathion Methyl<br>Pendimethalin<br>Phorate<br>Prometon<br>Prometryn<br>Simazine<br>Terbufos<br>Terbutylazine |                                                                                                              |                                                      |
| Bottle Type: BP-1L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Number of Bottles: 2                                                                                         | Preserved With: ICE                                  |
| CHLSUITE-W    Template: DEFAULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |                                                      |
| Chlorophyll-a, Corrected<br>Chlorophyll-a, Uncorrected<br>Phaeophytin-a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                              |                                                      |
| Bottle Type: TEST HAS NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Number of Bottles: 2                                                                                         | Preserved With: ICE                                  |
| NW-UWF-ECQ    Template: DEFAULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola                                        |                                                      |
| Escherichia Coli-Quanti-Tray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                              |                                                      |
| Bottle Type: QPCR-P-500ML                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Number of Bottles: 2                                                                                         | Preserved With: ICE                                  |
| PCR-FILTER    Template: DEFAULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis                                |                                                      |
| *HF183 - Human Source Marker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                              |                                                      |
| Bottle Type: BG-500ML                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Number of Bottles: 2                                                                                         | Preserved With: CH <sub>2</sub> CICOOH Pre-Preserved |
| W-CARB-AA    Template: DEFAULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS                                                       |                                                      |
| 3-Hydroxycarbofuran<br>Aldicarb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                              |                                                      |

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

Bottle Type: BG-500ML      Number of Bottles: 2      Preserved With: CH<sub>2</sub>ClCOOH Pre-Preserved  
 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

Bottle Type: BG-500ML      Number of Bottles: 6      Preserved With: ICE  
 W-CT-CI-R      Template: DEFAULT      (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Chlordane  
 Toxaphene

W-PCL-SQ-R      Template:      (EPA 8270E) Organochlorine pesticides in water matrices by GC/MS-SIM

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

Bottle Type: BG-500ML      Number of Bottles: 2      Preserved With: ICE  
 W-E8321-DI      Template:      (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

\*Acesulfame K  
 \*AMPA  
 \*Endothall  
 \*Glufosinate  
 \*Glyphosate  
 \*Ibuprofen  
 \*Sucralose

W-E8321-MS      Template:      (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

\*Acetaminophen  
 \*Carbamazepine  
 \*Fluridone  
 \*Hydrocodone  
 \*Ibuprofen  
 \*Imazapyr  
 \*Naproxen  
 \*Primidone

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

|                       |                       |                                                                                          |
|-----------------------|-----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: BG-500ML | Number of Bottles: 2  | Preserved With: ICE                                                                      |
| W-E8321-MS            | Template: (EPA 8321B) | Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS              |
| *Pyraclostrobin       |                       |                                                                                          |
| *Triclopyr            |                       |                                                                                          |
| 2,4-D                 |                       |                                                                                          |
| Bentazon              |                       |                                                                                          |
| Diuron                |                       |                                                                                          |
| Fenuron               |                       |                                                                                          |
| Imidacloprid          |                       |                                                                                          |
| Linuron               |                       |                                                                                          |
| MCP                   |                       |                                                                                          |
| Bottle Type: P-500ML  | Number of Bottles: 2  | Preserved With: ICE And H2SO4                                                            |
| W-NH3                 | Template: DEFAULT     | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                               |
| Ammonia-N             |                       |                                                                                          |
| W-NO2NO3              | Template: DEFAULT     | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                       |
| NO2NO3-N              |                       |                                                                                          |
| W-S-A-TP              | Template: DEFAULT     | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                      |
| Total-P               |                       |                                                                                          |
| W-TKN                 | Template: DEFAULT     | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                         |
| Kjeldahl Nitrogen     |                       |                                                                                          |
| W-TOC                 | Template: DEFAULT     | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                         |
| Organic Carbon        |                       |                                                                                          |
| Bottle Type: P-125ML  | Number of Bottles: 2  | Preserved With: FILTER-ICE                                                               |
| W-PO4-F               | Template: DEFAULT     | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |
| O-Phosphate-P         |                       |                                                                                          |

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

|                              |                      |                                                                                                              |
|------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L            | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| ALKALINITY                   | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                                |
| Total Alkalinity             |                      |                                                                                                              |
| TURBIDITY                    | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| Turbidity                    |                      |                                                                                                              |
| W-CL-IC                      | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| Chloride                     |                      |                                                                                                              |
| W-COLOR                      | Template: DEFAULT    | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                              |
| Color (true)                 |                      |                                                                                                              |
| W-F                          | Template: DEFAULT    | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)       |
| Fluoride                     |                      |                                                                                                              |
| W-SO4-IC                     | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |
| Sulfate                      |                      |                                                                                                              |
| W-TDS                        | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                                  |
| TDS                          |                      |                                                                                                              |
| W-TSS                        | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample              |
| TSS                          |                      |                                                                                                              |
| Bottle Type: BP-1L           | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                   | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Chlorophyll-a, Corrected     |                      |                                                                                                              |
| Chlorophyll-a, Uncorrected   |                      |                                                                                                              |
| Phaeophytin-a                |                      |                                                                                                              |
| Bottle Type: TEST HAS NO     | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| NW-UWF-ECQ                   | Template: DEFAULT    | (SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola                                        |
| Escherichia Coli-Quanti-Tray |                      |                                                                                                              |
| Bottle Type: QPCR-P-500ML    | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| PCR-FILTER                   | Template: DEFAULT    | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis                                |
| *HF183 - Human Source Marker |                      |                                                                                                              |
| Bottle Type: BG-500ML        | Number of Bottles: 6 | Preserved With: ICE                                                                                          |
| W-CT-CI-R                    | Template: DEFAULT    | (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization            |
| Chlordane                    |                      |                                                                                                              |

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

|                       |                      |                                                                                                   |
|-----------------------|----------------------|---------------------------------------------------------------------------------------------------|
| Bottle Type: BG-500ML | Number of Bottles: 6 | Preserved With: ICE                                                                               |
| W-CT-CI-R             | Template: DEFAULT    | (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization |
| Toxaphene             |                      |                                                                                                   |
| Bottle Type: BG-500ML | Number of Bottles: 2 | Preserved With: ICE                                                                               |
| W-E8321-DI            | Template:            | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS           |
| *Acesulfame K         |                      |                                                                                                   |
| *AMPA                 |                      |                                                                                                   |
| *Endothall            |                      |                                                                                                   |
| *Glufosinate          |                      |                                                                                                   |
| *Glyphosate           |                      |                                                                                                   |
| *Ibuprofen            |                      |                                                                                                   |
| *Sucralose            |                      |                                                                                                   |
| W-E8321-MS            | Template:            | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS           |
| *Acetaminophen        |                      |                                                                                                   |
| *Carbamazepine        |                      |                                                                                                   |
| *Fluridone            |                      |                                                                                                   |
| *Hydrocodone          |                      |                                                                                                   |
| *Ibuprofen            |                      |                                                                                                   |
| *Imazapyr             |                      |                                                                                                   |
| *Naproxen             |                      |                                                                                                   |
| *Primidone            |                      |                                                                                                   |
| *Pyraclostrobin       |                      |                                                                                                   |
| *Triclopyr            |                      |                                                                                                   |
| 2,4-D                 |                      |                                                                                                   |
| Bentazon              |                      |                                                                                                   |
| Diuron                |                      |                                                                                                   |
| Fenuron               |                      |                                                                                                   |
| Imidacloprid          |                      |                                                                                                   |
| Linuron               |                      |                                                                                                   |
| MCP                   |                      |                                                                                                   |
| Bottle Type: P-500ML  | Number of Bottles: 2 | Preserved With: ICE And H2SO4                                                                     |
| W-NH3                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                        |
| Ammonia-N             |                      |                                                                                                   |
| W-NO2NO3              | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                |
| NO2NO3-N              |                      |                                                                                                   |
| W-S-A-TP              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                               |
| Total-P               |                      |                                                                                                   |
| W-TKN                 | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                  |
| Kjeldahl Nitrogen     |                      |                                                                                                   |
| W-TOC                 | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                  |
| Organic Carbon        |                      |                                                                                                   |
| Bottle Type: P-125ML  | Number of Bottles: 2 | Preserved With: FILTER-ICE                                                                        |
| W-PO4-F               | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L          |
| O-Phosphate-P         |                      |                                                                                                   |

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

|                   |                      |                                                                                                        |
|-------------------|----------------------|--------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L | Number of Bottles: 3 | Preserved With: ICE                                                                                    |
| ALKALINITY        | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                          |
| Total Alkalinity  |                      |                                                                                                        |
| TURBIDITY         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                     |
| Turbidity         |                      |                                                                                                        |
| W-CL-IC           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                      |
| Chloride          |                      |                                                                                                        |
| W-COLOR           | Template: DEFAULT    | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                        |
| Color (true)      |                      |                                                                                                        |
| W-F               | Template: DEFAULT    | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| Fluoride          |                      |                                                                                                        |
| W-SO4-IC          | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                       |
| Sulfate           |                      |                                                                                                        |
| W-TDS             | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                            |

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

|                              |                      |                                                                                                              |
|------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L            | Number of Bottles: 3 | Preserved With: ICE                                                                                          |
| W-TDS                        | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                                  |
| TDS                          |                      |                                                                                                              |
| W-TSS                        | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample              |
| TSS                          |                      |                                                                                                              |
| Bottle Type: BP-1L           | Number of Bottles: 3 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                   | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Chlorophyll-a, Corrected     |                      |                                                                                                              |
| Chlorophyll-a, Uncorrected   |                      |                                                                                                              |
| Phaeophytin-a                |                      |                                                                                                              |
| Bottle Type: TEST HAS NO     | Number of Bottles: 3 | Preserved With: ICE                                                                                          |
| NW-UWF-ECQ                   | Template: DEFAULT    | (SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola                                        |
| Escherichia Coli-Quanti-Tray |                      |                                                                                                              |
| Bottle Type: P-500ML         | Number of Bottles: 3 | Preserved With: ICE And H2SO4                                                                                |
| W-NH3                        | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| Ammonia-N                    |                      |                                                                                                              |
| W-NO2NO3                     | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| NO2NO3-N                     |                      |                                                                                                              |
| W-S-A-TP                     | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| Total-P                      |                      |                                                                                                              |
| W-TKN                        | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| Kjeldahl Nitrogen            |                      |                                                                                                              |
| W-TOC                        | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                             |
| Organic Carbon               |                      |                                                                                                              |
| Bottle Type: P-125ML         | Number of Bottles: 3 | Preserved With: FILTER-ICE                                                                                   |
| W-PO4-F                      | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |
| O-Phosphate-P                |                      |                                                                                                              |

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

|                       |                      |                                                                                                        |
|-----------------------|----------------------|--------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L     | Number of Bottles: 1 | Preserved With: ICE                                                                                    |
| ALKALINITY            | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                          |
| Total Alkalinity      |                      |                                                                                                        |
| TURBIDITY             | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                     |
| Turbidity             |                      |                                                                                                        |
| W-CL-IC               | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                      |
| Chloride              |                      |                                                                                                        |
| W-COLOR               | Template: DEFAULT    | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                        |
| Color (true)          |                      |                                                                                                        |
| W-F                   | Template: DEFAULT    | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| Fluoride              |                      |                                                                                                        |
| W-SO4-IC              | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                       |
| Sulfate               |                      |                                                                                                        |
| W-TDS                 | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                            |
| TDS                   |                      |                                                                                                        |
| W-TSS                 | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample        |
| TSS                   |                      |                                                                                                        |
| Bottle Type: BG-500ML | Number of Bottles: 1 | Preserved With: CH2ClCOOH Pre-Preserved                                                                |
| 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              |                      |                                                                                                        |

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

|                                                                                                                                                                                                                                                                                                                                                                                                                |                      |                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------|
| Bottle Type: BG-500ML                                                                                                                                                                                                                                                                                                                                                                                          | Number of Bottles: 2 | Preserved With: ICE                                                                               |
| W-CT-CI-R                                                                                                                                                                                                                                                                                                                                                                                                      | Template: DEFAULT    | (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization |
| Chlordane<br>Toxaphene                                                                                                                                                                                                                                                                                                                                                                                         |                      |                                                                                                   |
| W-PCL-SQ-R                                                                                                                                                                                                                                                                                                                                                                                                     | Template:            | (EPA 8270E) Organochlorine pesticides in water matrices by GC/MS-SIM                              |
| Aldrin<br>Alpha-BHC<br>Alpha-Chlordane<br>Beta-BHC<br>Carbophenothion<br>Chlorothalonil<br>Cypermethrin<br>DDD-p,p'<br>DDE-p,p'<br>DDT-p,p'<br>Delta-BHC<br>Dicofol<br>Dieldrin<br>Endosulfan I<br>Endosulfan II<br>Endosulfan Sulfate<br>Endrin<br>Endrin Aldehyde<br>Endrin Ketone<br>Gamma-BHC<br>Gamma-Chlordane<br>Heptachlor<br>Heptachlor Epoxide<br>Methoxychlor<br>Mirex<br>Permethrin<br>Trifluralin |                      |                                                                                                   |
| Bottle Type: BG-500ML                                                                                                                                                                                                                                                                                                                                                                                          | Number of Bottles: 1 | Preserved With: ICE                                                                               |
| W-E8321-DI                                                                                                                                                                                                                                                                                                                                                                                                     | Template:            | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS           |
| *Acesulfame K<br>*AMPA<br>*Endothall<br>*Glufosinate<br>*Glyphosate<br>*Ibuprofen<br>*Sucralose                                                                                                                                                                                                                                                                                                                |                      |                                                                                                   |
| W-E8321-MS                                                                                                                                                                                                                                                                                                                                                                                                     | Template:            | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS           |
| *Acetaminophen<br>*Carbamazepine<br>*Fluridone<br>*Hydrocodone<br>*Ibuprofen<br>*Imazapyr<br>*Naproxen<br>*Primidone<br>*Pyraclostrobin<br>*Triclopyr<br>2,4-D<br>Bentazon<br>Diuron<br>Fenuron<br>Imidacloprid<br>Linuron<br>MCPP                                                                                                                                                                             |                      |                                                                                                   |
| Bottle Type: P-500ML                                                                                                                                                                                                                                                                                                                                                                                           | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                                     |

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

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                            |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                               |
| Ammonia-N            |                      |                                                                                          |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                       |
| NO2NO3-N             |                      |                                                                                          |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                      |
| Total-P              |                      |                                                                                          |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                         |
| Kjeldahl Nitrogen    |                      |                                                                                          |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                         |
| Organic Carbon       |                      |                                                                                          |
| Bottle Type: P-125ML | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                               |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |
| O-Phosphate-P        |                      |                                                                                          |
| Bottle Type: BG-1L   | Number of Bottles: 2 | Preserved With: ICE                                                                      |
| W-PSNP-TQ            | Template:            | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS       |
| *Dimethenamid        |                      |                                                                                          |
| *Dithiopyr           |                      |                                                                                          |
| *Fipronil Desulfinyl |                      |                                                                                          |
| *Oxadiazon           |                      |                                                                                          |
| *Prodiamine          |                      |                                                                                          |
| *Tebuconazole        |                      |                                                                                          |
| Acetochlor           |                      |                                                                                          |
| Alachlor             |                      |                                                                                          |
| Ametryn              |                      |                                                                                          |
| Atrazine             |                      |                                                                                          |
| Atrazine Desethyl    |                      |                                                                                          |
| Azinphos Methyl      |                      |                                                                                          |
| Bromacil             |                      |                                                                                          |
| Butylate             |                      |                                                                                          |
| Chlorpyrifos Ethyl   |                      |                                                                                          |
| Chlorpyrifos Methyl  |                      |                                                                                          |
| Cyanazine            |                      |                                                                                          |
| Demeton              |                      |                                                                                          |
| Diazinon             |                      |                                                                                          |
| Disulfoton           |                      |                                                                                          |
| EPTC                 |                      |                                                                                          |
| Ethion               |                      |                                                                                          |
| Ethoprop             |                      |                                                                                          |
| Fenamiphos           |                      |                                                                                          |
| Fipronil             |                      |                                                                                          |
| Fipronil Sulfide     |                      |                                                                                          |
| Fipronil Sulfone     |                      |                                                                                          |
| Fonofos              |                      |                                                                                          |
| Hexazinone           |                      |                                                                                          |
| Malathion            |                      |                                                                                          |
| Metalaxyl            |                      |                                                                                          |
| Metolachlor          |                      |                                                                                          |
| Metribuzin           |                      |                                                                                          |
| Mevinphos            |                      |                                                                                          |
| Molinate             |                      |                                                                                          |
| Norflurazon          |                      |                                                                                          |
| Parathion Ethyl      |                      |                                                                                          |
| Parathion Methyl     |                      |                                                                                          |
| Pendimethalin        |                      |                                                                                          |
| Phorate              |                      |                                                                                          |
| Prometon             |                      |                                                                                          |
| Prometryn            |                      |                                                                                          |
| Simazine             |                      |                                                                                          |
| Terbufos             |                      |                                                                                          |
| Terbuthylazine       |                      |                                                                                          |

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