

Date of Request: 11-OCT-2017  
 Created By: ASHTON\_J On: 11-OCT-2017  
 Modified By: WATTS\_J On: 23-OCT-2017  
 Customer: WQAP  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District:  
 Sampling Event: Manatee\_Streams

**Send Coolers To:**

Phone: 813-470-5772  
 13051 N. Telecom Parkway  
  
 Tampa, FL 33637  
 Attn: Judy Ashton

Program Module Number:  
 Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 12-OCT-2017  
 Biology Request Reviewed By: SWANSON\_C On: 12-OCT-2017  
 Sampling Kit Required: YES Ship on: 17-OCT-2017  
 Sampling Kit Shipped: YES On: 16-OCT-2017  
 Sampling Kit Packed By: GREENWOO\_J  
 Preservatives Needed: NO  
 Date to Receive Samples: 06-NOV-2017  
 Received By: SHAIK\_A On: 08-NOV-2017

**Send Final Report To:**

13051 N. Telecom Parkway  
  
 Tampa, FL 33637  
 Attn: Judy Ashton

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

Comments: Group A: Freshwater Kit, No Metals

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

|                              |                      |                                                                                                                                           |
|------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L            | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| ALKALINITY                   | Template: DEFAULT    | (SM 2320 B-97) 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) True Color measured at 450 nm                                                                                                 |
| Color (true)                 |                      |                                                                                                                                           |
| W-F                          | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                      |
| Fluoride                     |                      |                                                                                                                                           |
| W-SO4-IC                     | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                          |
| Sulfate                      |                      |                                                                                                                                           |
| W-TDS                        | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                 |
| TDS                          |                      |                                                                                                                                           |
| W-TSS                        | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                                                 |
| TSS                          |                      |                                                                                                                                           |
| Bottle Type: BP-1L           | Number of Bottles: 1 | 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: QPCR-P-250ML    | 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 |                      |                                                                                                                                           |
| PCR-HF183                    | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction |
| *HF183-qPCR                  |                      |                                                                                                                                           |

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

|                                   |                      |                                                                                                                       |
|-----------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------|
| Bottle Type:                      | Number of Bottles: 1 | Preserved With: ICE                                                                                                   |
| SWD-AEL-EC                        | Template: DEFAULT    | (EPA 1603) Escherichia coli by membrane filter method using modified mTEC by Advanced Environmental Tampa Lab for SWD |
| *Escherichia coli-Membrane Filter |                      |                                                                                                                       |
| Bottle Type: BG-1L                | Number of Bottles: 1 | Preserved With: ICE                                                                                                   |
| W-AHERB-AA                        | Template: DEFAULT    | (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS                                |
| *Triclopyr                        |                      |                                                                                                                       |
| 2,4-D                             |                      |                                                                                                                       |
| Bentazon                          |                      |                                                                                                                       |
| MCP                               |                      |                                                                                                                       |
| W-SUC-AA-R                        | Template: DEFAULT    | (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS                                                     |
| *Sucralose                        |                      |                                                                                                                       |
| W-UHERB-AA                        | Template: DEFAULT    | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS                                  |
| *Acetaminophen                    |                      |                                                                                                                       |
| *Carbamazepine                    |                      |                                                                                                                       |
| *Fluridone                        |                      |                                                                                                                       |
| *Primidone                        |                      |                                                                                                                       |
| Diuron                            |                      |                                                                                                                       |
| Fenuron                           |                      |                                                                                                                       |
| Imidacloprid                      |                      |                                                                                                                       |
| Linuron                           |                      |                                                                                                                       |
| Bottle Type: 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-00) Nonpurgeable Organic Carbon in aqueous matrices                                                        |
| Organic Carbon                    |                      |                                                                                                                       |
| Bottle Type: P-125ML              | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                                                            |
| W-PO4-F                           | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                              |
| O-Phosphate-P                     |                      |                                                                                                                       |

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

|                                   |                      |                                                                                                                                           |
|-----------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-250ML         | 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      |                      |                                                                                                                                           |
| PCR-GFD                           | Template: DEFAULT    | (SOP-PCR-1.3) Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction   |
| *GFD-purified-qPCR                |                      |                                                                                                                                           |
| PCR-HF183                         | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction |
| *HF183-qPCR                       |                      |                                                                                                                                           |
| Bottle Type:                      | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| SWD-AEL-EC                        | Template: DEFAULT    | (EPA 1603) Escherichia coli by membrane filter method using modified mTEC by Advanced Environmental Tampa Lab for SWD                     |
| *Escherichia coli-Membrane Filter |                      |                                                                                                                                           |
| Bottle Type: BG-1L                | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| W-AHERB-AA                        | Template: DEFAULT    | (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS                                                    |
| *Triclopyr                        |                      |                                                                                                                                           |
| 2,4-D                             |                      |                                                                                                                                           |
| Bentazon                          |                      |                                                                                                                                           |
| MCP                               |                      |                                                                                                                                           |
| W-SUC-AA-R                        | Template: DEFAULT    | (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS                                                                         |
| *Sucralose                        |                      |                                                                                                                                           |
| W-UHERB-AA                        | Template: DEFAULT    | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS                                                      |
| *Acetaminophen                    |                      |                                                                                                                                           |
| *Carbamazepine                    |                      |                                                                                                                                           |
| *Fluridone                        |                      |                                                                                                                                           |

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

|                    |                      |                                                                                      |
|--------------------|----------------------|--------------------------------------------------------------------------------------|
| Bottle Type: BG-1L | Number of Bottles: 1 | Preserved With: ICE                                                                  |
| W-UHERB-AA         | Template: DEFAULT    | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS |
| *Primidone         |                      |                                                                                      |
| Diuron             |                      |                                                                                      |
| Fenuron            |                      |                                                                                      |
| Imidacloprid       |                      |                                                                                      |
| Linuron            |                      |                                                                                      |

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| 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-00) 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: P-1L | Number of Bottles: 1 | Preserved With: ICE                                                                                  |
| ALKALINITY        | Template: DEFAULT    | (SM 2320 B-97) 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) True Color measured at 450 nm                                                            |
| Color (true)      |                      |                                                                                                      |
| W-F               | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| Fluoride          |                      |                                                                                                      |
| W-SO4-IC          | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                     |
| Sulfate           |                      |                                                                                                      |
| W-TDS             | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                            |
| TDS               |                      |                                                                                                      |
| W-TSS             | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                            |
| TSS               |                      |                                                                                                      |

|                            |                      |                                                                                                              |
|----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L         | Number of Bottles: 1 | 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 Group C (Water) With 1 Samples:**

|                   |                      |                                                                                                      |
|-------------------|----------------------|------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L | Number of Bottles: 1 | Preserved With: ICE                                                                                  |
| ALKALINITY        | Template: DEFAULT    | (SM 2320 B-97) 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) True Color measured at 450 nm                                                            |
| Color (true)      |                      |                                                                                                      |
| W-F               | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| Fluoride          |                      |                                                                                                      |
| W-SO4-IC          | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                     |
| Sulfate           |                      |                                                                                                      |

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

|                                   |                      |                                                                                                                                           |
|-----------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L                 | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| W-TDS                             | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                 |
| TDS                               |                      |                                                                                                                                           |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                                                 |
| TSS                               |                      |                                                                                                                                           |
| Bottle Type: BP-1L                | Number of Bottles: 1 | 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: QPCR-P-250ML         | 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      |                      |                                                                                                                                           |
| PCR-GFD                           | Template: DEFAULT    | (SOP-PCR-1.3) Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction   |
| *GFD-purified-qPCR                |                      |                                                                                                                                           |
| PCR-HF183                         | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction |
| *HF183-qPCR                       |                      |                                                                                                                                           |
| Bottle Type:                      | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| SWD-AEL-EC                        | Template: DEFAULT    | (EPA 1603) Escherichia coli by membrane filter method using modified mTEC by Advanced Environmental Tampa Lab for SWD                     |
| *Escherichia coli-Membrane Filter |                      |                                                                                                                                           |
| Bottle Type: BG-1L                | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| W-AHERB-AA                        | Template: DEFAULT    | (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS                                                    |
| *Triclopyr                        |                      |                                                                                                                                           |
| 2,4-D                             |                      |                                                                                                                                           |
| Bentazon                          |                      |                                                                                                                                           |
| MCP                               |                      |                                                                                                                                           |
| W-SUC-AA-R                        | Template: DEFAULT    | (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS                                                                         |
| *Sucralose                        |                      |                                                                                                                                           |
| W-UHERB-AA                        | Template: DEFAULT    | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS                                                      |
| *Acetaminophen                    |                      |                                                                                                                                           |
| *Carbamazepine                    |                      |                                                                                                                                           |
| *Fluridone                        |                      |                                                                                                                                           |
| *Primidone                        |                      |                                                                                                                                           |
| Diuron                            |                      |                                                                                                                                           |
| Fenuron                           |                      |                                                                                                                                           |
| Imidacloprid                      |                      |                                                                                                                                           |
| Linuron                           |                      |                                                                                                                                           |
| Bottle Type: 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-00) Nonpurgeable Organic Carbon in aqueous matrices                                                                            |
| Organic Carbon                    |                      |                                                                                                                                           |
| Bottle Type: P-125ML              | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                                                                                |
| W-PO4-F                           | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                  |
| O-Phosphate-P                     |                      |                                                                                                                                           |

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

|                   |                      |                                                             |
|-------------------|----------------------|-------------------------------------------------------------|
| Bottle Type: P-1L | Number of Bottles: 1 | Preserved With: ICE                                         |
| ALKALINITY        | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L |
| Total Alkalinity  |                      |                                                             |
| TURBIDITY         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices          |
| Turbidity         |                      |                                                             |

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

|                              |                      |                                                                                                                                           |
|------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L            | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| W-F                          | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                      |
| Fluoride                     |                      |                                                                                                                                           |
| W-TSS                        | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                                                 |
| TSS                          |                      |                                                                                                                                           |
| Bottle Type: BP-1L           | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| CHLSUITE-W                   | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                              |
| Chlorophyll-a, Corrected     |                      |                                                                                                                                           |
| Chlorophyll-a, Uncorrected   |                      |                                                                                                                                           |
| Phaeophytin-a                |                      |                                                                                                                                           |
| Bottle Type: QPCR-P-250ML    | 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 |                      |                                                                                                                                           |
| PCR-GFD                      | Template: DEFAULT    | (SOP-PCR-1.3) Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction   |
| *GFD-purified-qPCR           |                      |                                                                                                                                           |
| PCR-HF183                    | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction |
| *HF183-qPCR                  |                      |                                                                                                                                           |
| Bottle Type:                 | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| SWD-AEL-EN                   | Template: DEFAULT    | (SM 9230 C) Enterococci by membrane filter method by Advanced Environmental Overflow Laboratories for SWD                                 |
| Enterococci-Membrane Filter  |                      |                                                                                                                                           |
| Bottle Type: BG-1L           | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| W-AHERB-AA                   | Template: DEFAULT    | (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS                                                    |
| *Triclopyr                   |                      |                                                                                                                                           |
| 2,4-D                        |                      |                                                                                                                                           |
| Bentazon                     |                      |                                                                                                                                           |
| MCP                          |                      |                                                                                                                                           |
| W-SUC-AA-R                   | Template: DEFAULT    | (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS                                                                         |
| *Sucralose                   |                      |                                                                                                                                           |
| W-UHERB-AA                   | Template: DEFAULT    | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS                                                      |
| *Acetaminophen               |                      |                                                                                                                                           |
| *Carbamazepine               |                      |                                                                                                                                           |
| *Fluridone                   |                      |                                                                                                                                           |
| *Primidone                   |                      |                                                                                                                                           |
| Diuron                       |                      |                                                                                                                                           |
| Fenuron                      |                      |                                                                                                                                           |
| Imidacloprid                 |                      |                                                                                                                                           |
| Linuron                      |                      |                                                                                                                                           |
| Bottle Type: 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-00) Nonpurgeable Organic Carbon in aqueous matrices                                                                            |
| Organic Carbon               |                      |                                                                                                                                           |
| Bottle Type: P-125ML         | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                                                                                |
| W-PO4-F                      | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                  |
| O-Phosphate-P                |                      |                                                                                                                                           |

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

|                              |                      |                                                                               |
|------------------------------|----------------------|-------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-250ML    | 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 Group E (Water) With 1 Samples:**

Bottle Type: QPCR-P-250ML    Number of Bottles: 2    Preserved With: ICE  
 PCR-HF183    Template: DEFAULT    (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

\*HF183-qPCR

Bottle Type:    Number of Bottles: 1    Preserved With: ICE  
 SWD-AEL-EC    Template: DEFAULT    (EPA 1603) Escherichia coli by membrane filter method using modified mTEC by Advanced Environmental Tampa Lab for SWD

\*Escherichia coli-Membrane Filter

Bottle Type: BG-1L    Number of Bottles: 1    Preserved With: ICE  
 W-AHERB-AA    Template: DEFAULT    (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

\*Triclopyr

2,4-D

Bentazon

MCP

W-SUC-AA-R    Template: DEFAULT    (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS

\*Sucralose

W-UHERB-AA    Template: DEFAULT    (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

\*Acetaminophen

\*Carbamazepine

\*Fluridone

\*Primidone

Diuron

Fenuron

Imidacloprid

Linuron

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