

Date of Request: 07-AUG-2019  
 Created By: ASHTON\_J On: 07-AUG-2019  
 Modified By: JASROTIA\_P On: 19-NOV-2019  
 Customer: SW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Southwest District  
 Sampling Event: Gamble Creek SCI#2

**Send Coolers To:**

Phone: 813-470-5772  
 FL Dept. of Environmental Protection  
 13051 N. Telecom Parkway  
 Temple Terrace, FL 33637-0926  
 Attn: Judy Ashton

Program Module Number:  
 Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 19-NOV-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 19-NOV-2019  
 Sampling Kit Required: YES Ship on: 29-NOV-2019  
 Sampling Kit Shipped: YES On: 26-NOV-2019  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 09-DEC-2019  
 Received By: MCCOY\_I On: 13-DEC-2019

**Send Final Report To:**

FL Dept. of Environmental Protection  
 13051 N. Telecom Parkway  
 Temple Terrace, FL 33637-0926  
 Attn: Judy Ashton

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

Comments: Group A: Nutrients, Metals, Tracers, Q-PSNP-TQ  
 Group B: SCI, Algae\_ID

**Packing Notes:****Bottle Group A (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 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                                                            |
| 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: 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: P-120ML-WC-THI  | Number of Bottles: 2    | Preserved With: ICE                                                                      |
| SW-AEL-ECQ Template: DEFAULT | (SM 9223 B Quanti-Tray) | E. coli by Colilert-18/QT by AEL in Tampa                                                |

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

|                                 |                                                                                                                                                |                      |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Bottle Type: P-120ML-WC-THI     | Number of Bottles: 2                                                                                                                           | Preserved With: ICE  |
| SW-AEL-ECQ    Template: DEFAULT | (SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by AEL in Tampa                                                                              |                      |
| Escherichia Coli-Quanti-Tray    |                                                                                                                                                |                      |
| Bottle Type: BG-500ML           | Number of Bottles: 1                                                                                                                           | Preserved With: ICE  |
| W-E8321-DI    Template: DEFAULT | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |                      |
| *Acesulfame K                   |                                                                                                                                                |                      |
| *AMPA                           |                                                                                                                                                |                      |
| *Endothall                      |                                                                                                                                                |                      |
| *Glufosinate                    |                                                                                                                                                |                      |
| *Glyphosate                     |                                                                                                                                                |                      |
| *Sucralose                      |                                                                                                                                                |                      |
| W-E8321-MS    Template: DEFAULT | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |                      |
| *Acetaminophen                  |                                                                                                                                                |                      |
| *Acetamiprid                    |                                                                                                                                                |                      |
| *Afidopyropen                   |                                                                                                                                                |                      |
| *Benzovindiflupyr               |                                                                                                                                                |                      |
| *Carbamazepine                  |                                                                                                                                                |                      |
| *Clothianidin                   |                                                                                                                                                |                      |
| *Dinotefuran                    |                                                                                                                                                |                      |
| *Fluridone                      |                                                                                                                                                |                      |
| *Hydrocodone                    |                                                                                                                                                |                      |
| *Ibuprofen                      |                                                                                                                                                |                      |
| *Imazapyr                       |                                                                                                                                                |                      |
| *Mandestrobin                   |                                                                                                                                                |                      |
| *Naproxen                       |                                                                                                                                                |                      |
| *Primidone                      |                                                                                                                                                |                      |
| *Pyraclostrobin                 |                                                                                                                                                |                      |
| *Thiamethoxam                   |                                                                                                                                                |                      |
| *Tolfenpyrad                    |                                                                                                                                                |                      |
| *Triclopyr                      |                                                                                                                                                |                      |
| 2,4-D                           |                                                                                                                                                |                      |
| Bentazon                        |                                                                                                                                                |                      |
| Diuron                          |                                                                                                                                                |                      |
| Fenuron                         |                                                                                                                                                |                      |
| Imidacloprid                    |                                                                                                                                                |                      |
| Linuron                         |                                                                                                                                                |                      |
| MCP                             |                                                                                                                                                |                      |
| Bottle Type: P-500ML            | Number of Bottles: 1                                                                                                                           | Preserved With: HNO3 |
| W-ICP    Template:              | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |                      |
| Barium                          |                                                                                                                                                |                      |
| Calcium                         |                                                                                                                                                |                      |
| Iron                            |                                                                                                                                                |                      |
| Magnesium                       |                                                                                                                                                |                      |
| Potassium                       |                                                                                                                                                |                      |
| Sodium                          |                                                                                                                                                |                      |
| Zinc                            |                                                                                                                                                |                      |
| W-ICPMS    Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |                      |
| *Boron                          |                                                                                                                                                |                      |
| Aluminum                        |                                                                                                                                                |                      |
| Antimony                        |                                                                                                                                                |                      |
| Arsenic                         |                                                                                                                                                |                      |
| Cadmium                         |                                                                                                                                                |                      |
| Chromium                        |                                                                                                                                                |                      |
| Copper                          |                                                                                                                                                |                      |
| Lead                            |                                                                                                                                                |                      |
| Nickel                          |                                                                                                                                                |                      |
| Selenium                        |                                                                                                                                                |                      |
| Silver                          |                                                                                                                                                |                      |
| Thallium                        |                                                                                                                                                |                      |

**Bottle Group A (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: 4 | Preserved With: ICE                                                                      |
| W-PSNP-TQ            | Template: DEFAULT    | (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       |                      |                                                                                          |

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

Bottle Type: PJ-2L                      Number of Bottles: 2                      Preserved With: Formalin  
MI-FW-QLDC    Template: DEFAULT                      (SOP-IZ06) No. Taxa of FW macroinverts, qual samp, 20 dipnets.  
\*Macroinvert-FW-Qual-DipnetX20-#Taxa-Rep2  
\*Stream Condition Index (SCI)  
Bottle Type: PT-50ML                      Number of Bottles: 1                      Preserved With: ICE  
ALGAL\_ID                      Template: DEFAULT                      (SOP-AB05) Qualitative assessment of algal taxa present without counts  
\*Dominant sample taxon

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