

Request Number: 2017-06-19-19

## Florida Department of Environmental Protection

Page 1 of 2

~~Algal Bloom Response~~ as needed

## Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: ~~WQAP~~ SE-DIST

Requester: Matt Sewell

Field Report Prepared By: Jordan Skaggs

Project ID: ~~BLOOM-RESP~~ Snp

Collected By: Matt Sewell, Jimmy Pitts

Sampling Agency: ZIFLWPB

|                                                                         |                                                                          |                                                                           |                                                           |                     |                                                                            |                                     |  |                                    |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------|---------------------|----------------------------------------------------------------------------|-------------------------------------|--|------------------------------------|
| Location<br>Henderson Pond                                              |                                                                          | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 7/17/17 Time 1215 |                     | Eastern<br><input checked="" type="checkbox"/> Central                     | Composite end<br>Date Time          |  | Bottle Group(s)<br>(See pg 2)<br>D |
| Field ID<br>G2SE0010                                                    |                                                                          | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |                                                           | Diss. Oxygen<br>6.6 | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)       |  |                                    |
| STORET #<br>G2SE0010                                                    |                                                                          | Temp (C)<br>30.9                                                          | pH<br>6.5                                                 | Sample Depth<br>0.3 | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm)<br>183 |  |                                    |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)<br>0.08                                                    | Comments                                                  |                     |                                                                            |                                     |  |                                    |
| Location                                                                |                                                                          | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time              |                     | Eastern<br><input type="checkbox"/> Central                                | Composite end<br>Date Time          |  | Bottle Group(s)                    |
| Field ID                                                                |                                                                          | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                           | Diss. Oxygen        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)       |  |                                    |
| STORET #                                                                |                                                                          | Temp (C)                                                                  | pH                                                        | Sample Depth        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance<br>(umho/cm)        |  |                                    |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                            | Comments                                                  |                     |                                                                            |                                     |  |                                    |
| Location                                                                |                                                                          | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time              |                     | Eastern<br><input type="checkbox"/> Central                                | Composite end<br>Date Time          |  | Bottle Group(s)                    |
| Field ID                                                                |                                                                          | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                           | Diss. Oxygen        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)       |  |                                    |
| STORET #                                                                |                                                                          | Temp (C)                                                                  | pH                                                        | Sample Depth        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance<br>(umho/cm)        |  |                                    |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                            | Comments                                                  |                     |                                                                            |                                     |  |                                    |
| Location                                                                |                                                                          | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time              |                     | Eastern<br><input type="checkbox"/> Central                                | Composite end<br>Date Time          |  | Bottle Group(s)                    |
| Field ID                                                                |                                                                          | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                           | Diss. Oxygen        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)       |  |                                    |
| STORET #                                                                |                                                                          | Temp (C)                                                                  | pH                                                        | Sample Depth        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance<br>(umho/cm)        |  |                                    |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                            | Comments                                                  |                     |                                                                            |                                     |  |                                    |
| Location                                                                |                                                                          | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time              |                     | Eastern<br><input type="checkbox"/> Central                                | Composite end<br>Date Time          |  | Bottle Group(s)                    |
| Field ID                                                                |                                                                          | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                           | Diss. Oxygen        | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)       |  |                                    |
| STORET #                                                                |                                                                          | Temp (C)                                                                  | pH                                                        | Sample Depth        | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance<br>(umho/cm)        |  |                                    |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                            | Comments                                                  |                     |                                                                            |                                     |  |                                    |

|                          |                      |                          |                            |                    |                           |
|--------------------------|----------------------|--------------------------|----------------------------|--------------------|---------------------------|
| Relinquished By:<br>FDEP | Date/Time<br>7/17/17 | Shipping Method<br>Fedex | Number of Coolers Shipped: | Received By:<br>SR | Date/Time<br>7-18-17 9:45 |
|--------------------------|----------------------|--------------------------|----------------------------|--------------------|---------------------------|

7-18-17

|            |                       |                 |                             |                                           |
|------------|-----------------------|-----------------|-----------------------------|-------------------------------------------|
| Group: A   | Bottle Type: PT-50ML  | # of Bottles: 6 | Preservative: ICE           | Enter Number of Bottles Sent to Lab _____ |
| BLOOM-ID   |                       |                 |                             |                                           |
| Group: B   | Bottle Type: BG-WD250 | # of Bottles: 6 | Preservative: ICE           | Enter Number of Bottles Sent to Lab _____ |
| W-MCYST-AA |                       |                 |                             |                                           |
| Group: C   | Bottle Type: BP-1L    | # of Bottles: 6 | Preservative: ICE           | Enter Number of Bottles Sent to Lab _____ |
| CHLSUITE-W |                       |                 |                             |                                           |
| Group: C   | Bottle Type: P-500ML  | # of Bottles: 6 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab _____ |
| W-NH3      |                       |                 |                             |                                           |
| W-NO2NO3   |                       |                 |                             |                                           |
| W-S-A-TP   |                       |                 |                             |                                           |
| W-TKN      |                       |                 |                             |                                           |
| Group: C   | Bottle Type: P-125ML  | # of Bottles: 6 | Preservative: ICE-FLTR      | Enter Number of Bottles Sent to Lab _____ |
| W-PO4-F    |                       |                 |                             |                                           |
| Group: D   | Bottle Type: BP-1L    | # of Bottles: 6 | Preservative: Lugols        | Enter Number of Bottles Sent to Lab _____ |
| DTY-QN-C   |                       |                 |                             |                                           |
| PKD-QN-C   |                       |                 |                             |                                           |

Date of Request: 09-MAY-2017  
 Created By: SEWELL\_M On: 09-MAY-2017  
 Modified By: MATTHEWS\_D On: 06-JUN-2017  
 Customer: SE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Southeast District  
 Sampling Event: SMP-G2 Jupiter Run

**Send Coolers To:**

Phone: (772) 448-5883  
 FL Dept. of Environmental Protection  
 2199 South Rock Road  
 Fort Pierce, FL 34945  
 Attn: Matthew Sewell

Program Module Number: 1306  
 Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 02-JUN-2017  
 Biology Request Reviewed By: MATTHEWS\_D On: 06-JUN-2017  
 Sampling Kit Required: YES Ship on: 09-JUN-2017  
 Sampling Kit Shipped: YES On: 12-JUN-2017  
 Sampling Kit Packed By: REAVES\_S  
 Preservatives Needed: NO  
 Date to Receive Samples: 19-JUN-2017  
 Received By: REAVES\_S On: 13-JUL-2017

**Send Final Report To:**

FL Dept. of Environmental Protection  
 2199 South Rock Road  
 Fort Pierce, FL 34945  
 Attn: Matthew Sewell

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

Comments: Sampler Comments  
 Bottle Group A = 3224A  
 Bottle Group B = 3232A  
 Bottle Group C = 3224A1 3226C  
 Bottle Group D = 3194E  
 Bottle Group E = 3197

**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 CaCO <sub>3</sub> /L                                                      |
| TURBIDITY                         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                            |
| W-CL-IC                           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                             |
| 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)                          |
| W-SO <sub>4</sub> -IC             | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                              |
| W-TDS                             | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                     |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                                     |
| Bottle Type: BP-1L                | Number of Bottles: 1 | Preserved With: ICE                                                                                                           |
| CHLSUITE-W                        | Template:            | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                  |
| Bottle Type:                      | Number of Bottles: 1 | Preserved With: ICE                                                                                                           |
| SE-FLR-ECQ                        | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by FlowersOverflow Laboratory for Southeast District |
| Bottle Type: P-500ML              | Number of Bottles: 1 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                                        |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                    |
| W-NO <sub>2</sub> NO <sub>3</sub> | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                            |
| W-S-A-TP                          | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                           |
| W-TKN                             | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                              |
| W-TOC                             | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                                |
| Bottle Type: P-125ML              | Number of Bottles: 1 | Preserved With: ICE-FLTR                                                                                                      |

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

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-125ML | Number of Bottles: 1 | Preserved With: ICE-FLTR                                                                 |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

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

|                    |                      |                                                                                        |
|--------------------|----------------------|----------------------------------------------------------------------------------------|
| 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 |
| W-SUC-AA-R         | Template: DEFAULT    | (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS                      |
| W-UHERB-AA         | Template: DEFAULT    | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS   |

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| 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          |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices    |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices      |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-125ML | Number of Bottles: 1 | Preserved With: ICE-FLTR                                                                 |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

|                   |                      |                                                                                                      |
|-------------------|----------------------|------------------------------------------------------------------------------------------------------|
| 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                                          |
| TURBIDITY         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                   |
| W-F               | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |

|       |                   |                                                           |
|-------|-------------------|-----------------------------------------------------------|
| W-TSS | Template: DEFAULT | (SM 2540 D-97) Total Suspended Solids in aqueous matrices |
|-------|-------------------|-----------------------------------------------------------|

|                    |                      |                                                                                                              |
|--------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| CHLSUITE-W         | Template:            | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

|                           |                      |                                                                                                                                           |
|---------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |

|              |                      |                                                                                                                    |
|--------------|----------------------|--------------------------------------------------------------------------------------------------------------------|
| Bottle Type: | Number of Bottles: 1 | Preserved With: ICE                                                                                                |
| SE-FLR-ENQ   | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert Quanti-Tray method by Flowers Overflow Laboratory for Southeast District |

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

|                   |                      |                                                                                                      |
|-------------------|----------------------|------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L | Number of Bottles: 2 | Preserved With: ICE                                                                                  |
| ALKALINITY        | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                          |
| TURBIDITY         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                   |
| W-F               | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-TSS             | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                            |

|                    |                      |                                                                                                              |
|--------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| CHLSUITE-W         | Template:            | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

|                           |                      |                                                                               |
|---------------------------|----------------------|-------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-250ML | Number of Bottles: 4 | Preserved With: ICE                                                           |
| PCR-FILTER                | Template: DEFAULT    | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis |

|              |                      |                                                                                                                    |
|--------------|----------------------|--------------------------------------------------------------------------------------------------------------------|
| Bottle Type: | Number of Bottles: 2 | Preserved With: ICE                                                                                                |
| SE-FLR-ENQ   | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert Quanti-Tray method by Flowers Overflow Laboratory for Southeast District |

|              |                      |                                                                                              |
|--------------|----------------------|----------------------------------------------------------------------------------------------|
| Bottle Type: | Number of Bottles: 2 | Preserved With: ICE                                                                          |
| SE-FLR-FC    | Template: DEFAULT    | (SM 9222 D) Fecal coliforms by membrane filter method by Flowers Overflow Laboratory for SED |

|                    |                      |                                                                                        |
|--------------------|----------------------|----------------------------------------------------------------------------------------|
| Bottle Type: BG-1L | Number of Bottles: 2 | Preserved With: ICE                                                                    |
| W-AHERB-AA         | Template: DEFAULT    | (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS |
| W-SUC-AA-R         | Template: DEFAULT    | (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS                      |
| W-UHERB-AA         | Template: DEFAULT    | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS   |

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| 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          |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices    |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices      |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-125ML | Number of Bottles: 2 | Preserved With: ICE-FLTR                                                                 |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

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

**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 CaCO <sub>3</sub> /L                                                                       |
| TURBIDITY                         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-CL-IC                           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| 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)                                           |
| W-SO <sub>4</sub> -IC             | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS                             | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                      |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                                                      |
| Bottle Type: BP-1L                | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                        | Template:            | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: BG-1L                | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| W-AHERB-AA                        | Template:            | (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS                                                         |
| W-GLYPH                           | Template: DEFAULT    | (EPA 8321B) Glyphosate in water matrices by HPLC/MS/MS                                                                                         |
| W-PYR-AA-R                        | Template: DEFAULT    | (EPA 8321B) Pyraclostrobin in water matrices by HPLC/MS/MS                                                                                     |
| W-SUC-AA-R                        | Template: DEFAULT    | (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS                                                                              |
| W-UHERB-AA                        | Template: DEFAULT    | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS                                                           |
| Bottle Type: BG-500ML             | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
| W-CT-CI-R                         | Template: DEFAULT    | (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization                                              |
| W-PCL-SQ-R                        | Template: DEFAULT    | (EPA 8270D) Organochlorine pesticides in water matrices by GC/MS-SIM                                                                           |
| Bottle Type: P-500ML              | Number of Bottles: 1 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| 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 |
| Calcium                           |                      |                                                                                                                                                |
| Chromium                          |                      |                                                                                                                                                |
| Iron                              |                      |                                                                                                                                                |
| Magnesium                         |                      |                                                                                                                                                |
| Nickel                            |                      |                                                                                                                                                |
| Potassium                         |                      |                                                                                                                                                |
| Sodium                            |                      |                                                                                                                                                |
| Zinc                              |                      |                                                                                                                                                |
| W-CPMS                            | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Arsenic                           |                      |                                                                                                                                                |
| Cadmium                           |                      |                                                                                                                                                |
| Copper                            |                      |                                                                                                                                                |
| Lead                              |                      |                                                                                                                                                |
| Silver                            |                      |                                                                                                                                                |
| Bottle Type: P-500ML              | Number of Bottles: 1 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                                                         |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                     |
| W-NO <sub>2</sub> NO <sub>3</sub> | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                                             |
| W-S-A-TP                          | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                            |
| W-TKN                             | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                               |
| W-TOC                             | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                                                 |
| Bottle Type: P-125ML              | Number of Bottles: 1 | Preserved With: ICE-FLTR                                                                                                                       |
| W-PO <sub>4</sub> -F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                       |
| Bottle Type: BG-1L                | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
| W-PSNP-TQ                         | Template: DEFAULT    | (EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS                                         |

**Bottle Group E (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 CaCO <sub>3</sub> /L |
| TURBIDITY         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                       |
| W-CL-IC           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                        |
| W-COLOR           | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                |
| Color (true)      |                      |                                                                          |

**Bottle Group E (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)                          |
| W-SO4-IC                  | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                              |
| W-TDS                     | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                     |
| W-TSS                     | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                                     |
| Bottle Type: BP-1L        | Number of Bottles: 1 | Preserved With: ICE                                                                                                           |
| CHLSUITE-W                | Template:            | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                  |
| 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                                                 |
| Bottle Type:              | Number of Bottles: 1 | Preserved With: ICE                                                                                                           |
| SE-FLR-ECQ                | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by FlowersOverflow Laboratory for Southeast District |
| 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                                        |
| W-SUC-AA-R                | Template: DEFAULT    | (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS                                                             |
| W-UHERB-AA                | Template: DEFAULT    | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS                                          |
| 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                                                                    |
| W-NO2NO3                  | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                            |
| W-S-A-TP                  | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                           |
| W-TKN                     | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                              |
| W-TOC                     | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                                |
| Bottle Type: P-125ML      | Number of Bottles: 1 | Preserved With: ICE-FLTR                                                                                                      |
| W-PO4-F                   | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                      |

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



# Log-in Checklist

RQ- 2017-06-19-19

Shipping Method: Fedex

Date/Time of Receipt: 7-18-17/9:45

| Cooler ID | Cooler Temperature* | No. Sample Containers in Cooler | Evidence Tape |     |          |  | Tracking # (fill out only if waybill copy is damaged) |
|-----------|---------------------|---------------------------------|---------------|-----|----------|--|-------------------------------------------------------|
|           |                     |                                 | Present?      |     | *Intact? |  |                                                       |
| Yes       | No                  | Yes                             | No            | Yes | No       |  |                                                       |
| Red       | 2.7                 | 75/16                           |               | ✓   |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |
|           |                     |                                 |               |     |          |  |                                                       |

\*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

\*\*Note: If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

\*\*Chain of Custody/ Field Sheet(s) Included? Yes ☒ No ☐

## CONTAINER CHECK

\*\*Evidence Tape on Bottles? Yes ☒ No ☐ If yes, is it intact? Yes ☒ No ☐

\*\*Caps on tight? Yes ☒ No ☐ \*\*Containers intact? Yes ☒ No ☐

\*\*Sufficient Sample Volume: Yes ☒ No ☐

## CHLORINE CHECK (Blue dot on container)

| Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required. |     |                                     |               |     |                                     |  |
|------------------------------------------------------------------------------------------------------|-----|-------------------------------------|---------------|-----|-------------------------------------|--|
| Analysis                                                                                             | Yes | No                                  | Analysis      | Yes | No                                  |  |
| W-1,4 DIOX                                                                                           |     | <input checked="" type="checkbox"/> | W-PC-AA-SF    |     |                                     |  |
| W-AHERB-AA (-AHB-AA-R)                                                                               |     | <input checked="" type="checkbox"/> | W-PCL-SQ (-R) |     | <input checked="" type="checkbox"/> |  |
| W-BNA (-625, -R)                                                                                     |     |                                     | W-PDQUAT      |     |                                     |  |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |                                     | W-PESTNP-R    |     |                                     |  |
| W-ENDO-AA                                                                                            |     | <input checked="" type="checkbox"/> | W-PSCL-TQ     |     | <input checked="" type="checkbox"/> |  |
| W-GLYPH                                                                                              |     |                                     | W-PSNP-TQ     |     |                                     |  |
| W-NP-AA-SF                                                                                           |     |                                     | W-PST-CL-R    |     |                                     |  |
| W-PAH (-R)                                                                                           |     |                                     | W-TR-TQ       |     |                                     |  |
| W-PCB-R                                                                                              |     |                                     | W-CT-CI-R     |     | <input checked="" type="checkbox"/> |  |

## PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

\*\*Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: SR

\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☒ NA ☒ Init: SR

Coolers Unpacked/Checked by: SR Date: 7-18-17

NCRs (Y/N)? N

Event ID: SE-DLST-2017-07-18-01

NCR #

## Log-in Checklist

### Samples with Incorrect pH Preservation or presence of Chlorine

| Field ID | Bottle Test ID(s) | pH / Cl | Action Taken |
|----------|-------------------|---------|--------------|
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |

### Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

| Cooler ID | Field ID | Bottle Test ID(s) |
|-----------|----------|-------------------|
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |

### Bottles Not Intact

| Field ID | Bottle Test ID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|-------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                   |           | CK          | BR | CK                | BR |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |

### Samples with Insufficient Volume for Analyses

| Field ID | Bottle Test ID(s) | Action Taken |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

## ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes \_\_\_\_\_ No ✓

Date and time placed in freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ No \_\_\_\_\_

If no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

**FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):**

Samples preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

**Additional Comments:**



Do Not Lift Using This

Align FedEx Pouch Here

Do Not Lift Using This Tag

**FedEx** Express Package **US Airbill**

FedEx Tracking Number **8113 0563 2939**

Form ID No. **021**

1 From **7/17/17** Date

Sender's Name **Jordan Skaggs** Phone **772 5793639**

Company **FDEP**

Address **2199 S. Rock Pk.**

City **Fort Pierce** State **FL** ZIP **34945**

2 Your Internal Billing Reference

3 To Recipient's Name **SAMPLE RECEIVING** Phone **850 245-8085**

Company **FLORIDA DEP/CHEMISTRY SECTION**

Address **2600 BLAIRSTONE RD**  
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address  
Use this line for the HOLD location address or for continuation of your shipping address.

City **TALLAHASSEE** State **FL** ZIP **32399**



8113 0563 2939

Hold Weekday  
FedEx location address  
REQUIRED. NOT available for  
FedEx First Overnight.

Hold Saturday  
FedEx location address  
REQUIRED. Available ONLY for  
FedEx Priority Overnight and  
FedEx 2Day to select locations.

4 Express Packa

Next Business Da

☐ FedEx First Overnight  
Earliest next business mon  
locations. Friday shipments  
Monday unless Saturday D

☒ FedEx Priority Over  
Next business morning.\* Fi  
delivered on Monday unless  
is selected.

☐ FedEx Standard Ov  
Next business afternoon.\*  
Saturday Delivery NOT ava

5 Packaging

☐ FedEx Envelope\*

6 Special Handli

☐ Saturday Delivery  
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☒ No Signature Required  
Package may be left without  
obtaining a signature for delivery.

☐ Direct Signature  
Someone at recipient's address  
may sign for delivery.

☐ Indirect Signature  
If no one is available at recipient's  
address, someone at a neighboring  
address may sign for delivery. For  
residential deliveries only.

Does this shipment contain dangerous goods?

One box must be checked.  
☒ No ☐ Yes  
As per attached  
Shipper's Declaration. ☐ Yes  
Shipper's Declaration  
not required.

☐ Dry Ice  
Dry Ice, 9 UN 1845 x kg

☐ Cargo Aircraft Only

Restrictions apply for dangerous goods — see the current FedEx Service Guide.

7 Payment Bill to:

Sender ☐ Recipient ☒ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages **1** Total Weight **6.03** lbs.

Credit Card Auth.

\*Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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UNITED STATES US

BILL RECIPIENT

TO **SAMPLE RECEIVING  
FLORIDA DEP/CHEMISTRY SECTION  
2600 BLAIRSTONE RD**

**TALLAHASSEE FL 32399**

(850) 245-8085

REF:

DEPT:



TRK# **8113 0563 2939**

**TUE - 18 J  
PRIORITY OV**

**36 TLHA**



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