

RQ-2019-06-24-58

## Log-in Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 6/28/19 8:05

| Cooler Temperature* | Samples Frozen<br>YES | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking #<br>Damaged waybills only |
|---------------------|-----------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|-------------------------------------|
|                     |                       | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |    | *Intact? |    |                                     |
|                     |                       |                                        |          |                                       | Yes           | No | Yes      | No |                                     |
| 1.5<br>10.9         |                       |                                        | ✓        | 12<br>3                               |               | ✓  |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |

\* HNO<sub>3</sub> and Formalin preserved samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation. An NCR still is required.**

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

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

Micro-Biology Overflow 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 REQUIRED? (Blue dot on container)

Yes ✓ No        Init: SR

Chlorine detected? (One container checked per Field ID)

Yes        No ✓ Init: SR

If "YES", list affected Field IDs and Test IDs below.

| Field ID | List Test ID(s) where Chlorine was Detected, an NCR is required. |
|----------|------------------------------------------------------------------|
|          |                                                                  |
|          |                                                                  |
|          |                                                                  |
|          |                                                                  |

## 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: 6-28-19 NCRs (Y/N)? N

Event ID: SCI 9  
WAS-SECT-2019-06-28-01 (SMP) NCR #

## Log-in Checklist

### Samples with Incorrect pH Preservation

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

### Additional Comments:

|                                   |                           |
|-----------------------------------|---------------------------|
| <b>Infrared Thermometer ID:</b>   | REC_02_2018 EXP:4-29-2020 |
| <b>pH Test Strips 0 – 6 Lot #</b> | 213316VEXP:05-15-2019     |
| <b>pH Paper 0 – 3 Lot #</b>       | 220416A EXP:07-30-20      |
| <b>pH Paper 0 – 13 Lot #</b>      | 222516 EXP:08-15-2019     |
| <b>Chlorine Test Strips Lot #</b> | 9080 EXP:01-2022          |

### 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 \_\_\_\_\_ If No \_\_\_\_\_

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: \_\_\_\_\_

SCI 9

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

Arril Wood-McGrath

Project ID: SMP

Collected By: Blake Spencer / Curtis Musson

Sampling Agency:

FDEP

|                   |  |                                                                                                                                 |  |                                                                           |                                                            |                                                                        |                                                                                 |                                                                            |                                     |                                          |   |  |
|-------------------|--|---------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------|------------------------------------------|---|--|
| Location          |  | WIN ID / FILED ID → <br>G2WA0019               |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6/27/19 Time 10:36 |                                                                        | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____                                     |                                     | Bottle Group(s)<br>(See pg 2)            |   |  |
| Field ID          |  |                                                                                                                                 |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |                                                            | Diss. Oxygen<br>99.9                                                   |                                                                                 | <input type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) _____ |                                          | A |  |
| WIN/STORET #      |  | Location <br>Rock Creek Above The Apalachicola |  | Temp (C) 24.7                                                             |                                                            | pH 7.31                                                                |                                                                                 | Sample Depth 0.1                                                           |                                     | Sp. Conductance (umho/cm) 60.1           |   |  |
| Latitude 30.58227 |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms                                                          |  | Longitude -84.94034                                                       |                                                            | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms |                                                                                 | Salinity (ppt) 0.03                                                        |                                     | Comments                                 |   |  |
| Location          |  | WIN ID / FILED ID → <br>G2WA0019               |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 6/27/19 Time 1308  |                                                                        | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____                                     |                                     | Bottle Group(s)                          |   |  |
| Field ID          |  |                                                                                                                                 |  | Matrix (type, e.g., Salt, Fresh, etc)<br>biological                       |                                                            | Diss. Oxygen _____                                                     |                                                                                 | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine (mg/L) _____    |                                          | B |  |
| WIN/STORET #      |  | Location <br>Rock Creek Above The Apalachicola |  | Temp (C) _____                                                            |                                                            | pH _____                                                               |                                                                                 | Sample Depth 0.1                                                           |                                     | Sp. Conductance (umho/cm) _____          |   |  |
| Latitude 30.58227 |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms                                                          |  | Longitude -84.94034                                                       |                                                            | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms |                                                                                 | Salinity (ppt) _____                                                       |                                     | Comments<br>NO ALGAL ID; 3 JUGS RETURNED |   |  |
| Location          |  |                                                                                                                                 |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date _____ Time _____   |                                                                        | <input type="checkbox"/> 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 (mg/L) _____    |                                          |   |  |
| WIN/STORET #      |  |                                                                                                                                 |  | Temp (C) _____                                                            |                                                            | pH _____                                                               |                                                                                 | Sample Depth _____                                                         |                                     | Sp. Conductance (umho/cm) _____          |   |  |
| Latitude          |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                                     |  | Longitude                                                                 |                                                            | <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 _____   |                                                                        | <input type="checkbox"/> 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 (mg/L) _____    |                                          |   |  |
| WIN/STORET #      |  |                                                                                                                                 |  | Temp (C) _____                                                            |                                                            | pH _____                                                               |                                                                                 | Sample Depth _____                                                         |                                     | Sp. Conductance (umho/cm) _____          |   |  |
| Latitude          |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                                     |  | Longitude                                                                 |                                                            | <input type="checkbox"/> dd<br><input type="checkbox"/> dms            |                                                                                 | Salinity (ppt)                                                             |                                     | Comments                                 |   |  |

|                                                                                    |              |                 |                            |                                                                                       |              |
|------------------------------------------------------------------------------------|--------------|-----------------|----------------------------|---------------------------------------------------------------------------------------|--------------|
| Relinquished By:                                                                   | Date/Time    | Shipping Method | Number of Coolers Shipped: | Received By:                                                                          | Date/Time    |
|  | 6/28/19 0805 | Hand Delivered  | 2                          |  | 6/28/19 0805 |

|          |                                                                                    |                |                 |               |               |                                     |   |
|----------|------------------------------------------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type:                                                                       | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | CHLSUITE-W                                                                         |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-250ML-WO-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ECOLI-18QT                                                                         |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | BG-500ML       | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | W-E8321-DI<br>W-E8321-MS                                                           |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 1 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 1 |
|          | W-ICP<br>W-ICPMS                                                                   |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-125ML        | # of Bottles: 1 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1 |
|          | W-PO4-F                                                                            |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | BG-1L          | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4 |
|          | W-PSNP-TQ                                                                          |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                                       | PT-50ML        | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0 |
|          | ALGAL_ID                                                                           |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                                       | PJ-2L          | # of Bottles: 2 | Preservative: | Formalin      | Enter Number of Bottles Sent to Lab |   |

Group: B

Bottle Type:

PJ-2L

# of Bottles: 2

Preservative:

Formalin

Enter Number of Bottles Sent to Lab

3

MI-FW-QLDC

Date of Request: 11-JUN-2019  
 Created By: MUSSON\_C On: 11-JUN-2019  
 Modified By: JASROTIA\_P On: 11-JUN-2019  
 Customer: WAS-SECT  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District:  
 Sampling Event: SCI 9

**Send Coolers To:**

Phone: 850-245-8453  
 2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Curtis Musson

**Send Final Report To:**

2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Curtis Musson

**Program Module Number:**

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 11-JUN-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 11-JUN-2019  
 Sampling Kit Required: YES Ship on: 20-JUN-2019  
 Sampling Kit Shipped: YES On: 18-JUN-2019  
 Sampling Kit Packed By: REAVES\_S  
 Preservatives Needed: NO  
 Date to Receive Samples: 26-JUN-2019  
 Received By:

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:  
 No FedEx Labels  
 No Trash Bag

**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 using a maximum of 250 mL of sample                                                  |
| 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                                   |
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                       |
| 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                                                        |
| W-E8321-MS                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| 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 |

Barium

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| 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 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: FILTER-ICE                                                               |
| W-PO4-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 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS       |

**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.         |
| 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 |

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