

RQ-2019-08-05-56

## Login Checklist

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 09/13/19 @ 10:30

| Cooler Temperature* | Samples Frozen | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking #<br>Damaged waybills only |
|---------------------|----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|-------------------------------------|
|                     |                |                                        |          |                                       | Present?      |    | *Intact? |    |                                     |
|                     | YES            | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                                     |
| 1.4                 |                |                                        |          | 5 (6) <sup>TR</sup>                   |               | X  |          |    | 47518782 0762                       |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |

\*All samples received on ice unless otherwise noted. If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), received without ice, or if Evidence Seal is damaged; identify the containers in the affected cooler(s) on back of this form. HNO<sub>3</sub> and Formalin preserved samples do **NOT** have a temperature requirement. **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.**

\*\*Chain of Custody/ Field Sheet(s) Included? Yes ☒ No ☐Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ☐ No ☒**\*\*Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

## 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: Tyler R.

Chlorine detected? (One container checked per Field ID)

Yes ☐ No ☐ Init:           

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

| Field ID | List TestID(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: Tyler R.\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☐ NA ☒ Init: Tyler R.Coolers Unpacked/Checked by: Tyler Reynolds Date: 09/13/19 NCRs (Y/N)? NEvent Algal Bloom Response - As needed NCR #           

WQAP-2019-09-13-01 (BLOOM-RESP)

Page 1 Date Received: 13-SEP-2019 10:30

# 

### 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:

|                            |                              |
|----------------------------|------------------------------|
| Infrared Thermometer ID:   | REC_04_2018   EXP:04/29/2020 |
| pH Test Strips 0 – 6 Lot # | 213316AV   EXP:05/15/2020    |
| pH Paper 0 – 3 Lot #       | N/A                          |
| pH Paper 0 – 13 Lot #      | 215517   EXP: 06/01/2020     |
| Chlorine Test Strips Lot # | 8261   EXP: 07/30/2021       |

### 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: \_\_\_\_\_

Algal Bloom Response - As needed

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WQAP

Requester: Michael Linger

Field Report Prepared By:

Natalie Ayala

Project ID: BLOOM-RESP

Collected By:

Natalie Ayala/Michael Linger

Sampling Agency:

FDEP

|                                                                         |  |                                                                          |  |                                                             |  |                                                                                 |  |                                                                      |  |                                    |  |
|-------------------------------------------------------------------------|--|--------------------------------------------------------------------------|--|-------------------------------------------------------------|--|---------------------------------------------------------------------------------|--|----------------------------------------------------------------------|--|------------------------------------|--|
| Location                                                                |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab           |  | Collection (comp begin or grab)<br>Date 9/12/2019 Time 1243 |  | <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>9.57                                        |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      |  | Total Res. Chlorine<br>(mg/L)                                        |  | A/B                                |  |
| WIN/ST                                                                  |  | Temp (C)<br>30.4                                                         |  | pH<br>8.43                                                  |  | Sample Depth<br>0.3                                                             |  | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m |  | Sp. Conductance<br>(umho/cm) 241.5 |  |
| 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>0.11                                      |  | 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<br>(mg/L)                                        |  | AMA                                |  |
| WIN/STORET #                                                            |  | Temp (C)                                                                 |  | pH                                                          |  | Sample Depth<br><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                |  | <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<br>(mg/L)                                        |  |                                    |  |
| WIN/STORET #                                                            |  | Temp (C)                                                                 |  | pH                                                          |  | Sample Depth<br><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                |  | <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<br>(mg/L)                                        |  |                                    |  |
| WIN/STORET #                                                            |  | Temp (C)                                                                 |  | pH                                                          |  | Sample Depth<br><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                |  | <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<br>(mg/L)                                        |  |                                    |  |
| WIN/STORET #                                                            |  | Temp (C)                                                                 |  | pH                                                          |  | Sample Depth<br><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>Natalie | Date/Time<br>9/12/19 1600 | Shipping Method<br>FedEx | Number of Coolers Shipped:<br>1 | Received By:<br>Julie Prymoldo | Date/Time<br>09/13/19 @ 10:30 |
|-----------------------------|---------------------------|--------------------------|---------------------------------|--------------------------------|-------------------------------|

|            |              |                    |                 |               |               |                                     |          |
|------------|--------------|--------------------|-----------------|---------------|---------------|-------------------------------------|----------|
| Group: A   | Bottle Type: | PT-50ML            | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>1</u> |
| BLOOM-ID   |              |                    |                 |               |               |                                     |          |
| Group: B   | Bottle Type: | BP-1L              | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>1</u> |
| CHLSUITE-W |              |                    |                 |               |               |                                     |          |
| Group: B   | Bottle Type: | BG-250ML-WDMT<br>H | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>1</u> |
| W-MCYST-AA |              |                    |                 |               |               |                                     |          |
| Group: B   | Bottle Type: | P-500ML            | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | <u>1</u> |
| W-NH3      |              |                    |                 |               |               |                                     |          |
| W-NO2NO3   |              |                    |                 |               |               |                                     |          |
| W-S-A-TP   |              |                    |                 |               |               |                                     |          |
| W-TKN      |              |                    |                 |               |               |                                     |          |
| Group: B   | Bottle Type: | P-125ML            | # of Bottles: 1 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | <u>1</u> |
| W-PO4-F    |              |                    |                 |               |               |                                     |          |

Date of Request: 18-JUL-2019  
 Created By: LINGER\_M On: 18-JUL-2019  
 Modified By: WATTS\_J On: 24-JUL-2019  
 Customer: WQAP  
 Project: BLOOM-RESP  
 Division: Division of Environmental Assessment and Restoration  
 District: CEROC  
 Sampling Event: Algal Bloom Response - As needed

**Send Coolers To:**

Phone: 407-897-4180  
 3319 Maguire Blvd  
 Suite 232  
 Orlando, FL 32803  
 Attn: Mike Linger

**Send Final Report To:**

3319 Maguire Blvd  
 Suite 232  
 Orlando, FL 32806  
 Attn: Mike Linger

Program Module Number:  
 Priority: 1  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 24-JUL-2019  
 Biology Request Reviewed By: WATTS\_J On: 24-JUL-2019  
 Sampling Kit Required: YES Ship on: 26-JUL-2019  
 Sampling Kit Shipped: YES On: 24-JUL-2019  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 05-AUG-2019  
 Received By:

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

Comments: Unless peak algal bloom season, may analyze toxin after consultation with Biology's Taxonomy Manager.

Bottle Groups A/B - separate event, priority 1

Bottle Group A - Priority 1  
 For algal dominant taxon.

Bottle Group B - Priority 1  
 For toxin testing, nutrients, and chlorophyll

There are multiple bottles per Group in case multiple sample targets or sample locations are needed. Samplers use best professional judgement to decide which samples are appropriate to collect for a particular response. All sets of bottles do not have to be filled at one time.

Please print two copies of algal job labels at login.

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

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| Bottle Type: PT-50ML | Number of Bottles: 1 | Preserved With: ICE                                                 |
| BLOOM-ID             | Template: DEFAULT    | (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample |

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

|                             |                      |                                                                                                              |
|-----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| 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: BG-250ML-WDMTH | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| W-MCYST-AA                  | Template: DEFAULT    | (EPA 8321B) Microcystins 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                                             |
| 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                     |

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