

# Login Checklist

RQ- 2020 - 02 - 10 - 42

Login Station ID: # 3

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 06-03-2020 / 10: 20

| 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 |                                     |
| 3.1C                |                |                                        |          | 6                                     |               | X  |          |    | 1278 4011 3660                      |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |

\*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 X No       

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes        No X

\*\*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 X If yes, is it intact? Yes        No         
 \*\*Caps on tight? Yes X No        \*\*Containers intact? Yes X No         
 \*\*Sufficient Sample Volume: Yes X No       

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes        No X Init: ABS

Chlorine detected? (One container checked per Field ID) Yes        No        Init: ABS

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 X No        NA    Init: ABS /

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

Coolers Unpacked/Checked by: ABS / Date: 06-03-2020 NCRs (Y/N)? N

Event ID: WQAP- 2020 - 06 - 03 - 0 2 NCR #

# 

### 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:   | IRTG#3 EXP:11/05/20                     |
| pH Test Strips 0 – 6 Lot # | 2133AV EXP:05/15/2020 <sup>2021</sup>   |
| pH Paper 0 – 3 Lot #       | 220416A EXP:07/31/2020                  |
| pH Paper 0 – 13 Lot #      | 231019 11-1-22<br>208717 EXP:03/31/2020 |
| Chlorine Test Strips Lot # | 8261 2021 /07                           |

### ENCORE SAMPLES

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

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

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: \_\_\_\_\_

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Collier County-Algal Bloom Response

Customer: WQAP

Requester: Kirby Wolfe

Field Report Prepared By: Geoff Rosenau

Project ID: BLOOM-RESP

Collected By: Geoff Rosenau

Sampling Agency: Collier County Pollution Control

|                        |  |                                                                           |  |                                                              |  |                                                                                       |  |                                                                      |  |                                                                                                          |  |
|------------------------|--|---------------------------------------------------------------------------|--|--------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|--|
| Location<br>Park Shore |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 06/02/2020 Time 0900 |  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central       |  | Composite end<br>Date N/A Time N/A                                   |  | Bottle Group(s)<br>(See pg 2)<br>A<br>B<br>C                                                             |  |
| Field ID               |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Salt                             |  | Diss. Oxygen<br>82.67/5.61 mg/L                              |  | <input checked="" type="checkbox"/> mg/L<br><input checked="" type="checkbox"/> % sat |  | Total Res. Chlorine<br>(mg/L) N/A                                    |  |                                                                                                          |  |
| WIN/STORET #<br>N/A    |  | Temp (C)<br>30.2                                                          |  | pH<br>8.03                                                   |  | Sample Depth<br>0.30                                                                  |  | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m |  | Sp. Conductance<br>(umho/cm) 32202                                                                       |  |
| Latitude<br>26.1978    |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Longitude<br>-81.8088                                        |  | <input checked="" type="checkbox"/> dd<br><input type="checkbox"/> dms                |  | Salinity (ppt)<br>19.97                                              |  | Comments<br>Total Depth: 1.6m Salch.: 1.4m<br>Very fine greenish/yellow material discharging from drain. |  |
| 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                                                                          |  | <input type="checkbox"/> ft<br><input type="checkbox"/> m            |  | Sp. Conductance<br>(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<br>(mg/L)                                        |  |                                                                                                          |  |
| WIN/STORET #           |  | Temp (C)                                                                  |  | pH                                                           |  | Sample Depth                                                                          |  | <input type="checkbox"/> ft<br><input type="checkbox"/> m            |  | Sp. Conductance<br>(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<br>(mg/L)                                        |  |                                                                                                          |  |
| WIN/STORET #           |  | Temp (C)                                                                  |  | pH                                                           |  | Sample Depth                                                                          |  | <input type="checkbox"/> ft<br><input type="checkbox"/> m            |  | Sp. Conductance<br>(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<br>(mg/L)                                        |  |                                                                                                          |  |
| WIN/STORET #           |  | Temp (C)                                                                  |  | pH                                                           |  | Sample Depth                                                                          |  | <input type="checkbox"/> ft<br><input type="checkbox"/> m            |  | Sp. Conductance<br>(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:<br> | Date/Time<br>06/02/2020 | Shipping Method<br>Fedex | Number of Coolers Shipped:<br>1 | Received By:<br> | Date/Time<br>6-3-20/10:20 |
|----------------------|-------------------------|--------------------------|---------------------------------|------------------|---------------------------|

|            |              |                    |                 |               |               |                                     |   |
|------------|--------------|--------------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A   | Bottle Type: | PT-50ML            | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
| BLOOM-ID   |              |                    |                 |               |               |                                     |   |
| Group: B   | Bottle Type: | BP-1L              | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
| CHLSUITE-W |              |                    |                 |               |               |                                     |   |
| Group: B   | Bottle Type: | BG-250ML-WDMT<br>H | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
| W-MCYST-AA |              |                    |                 |               |               |                                     |   |
| Group: B   | Bottle Type: | P-500ML            | # of Bottles: 2 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
| W-NH3      |              |                    |                 |               |               |                                     |   |
| W-NO2NO3   |              |                    |                 |               |               |                                     |   |
| W-S-A-TP   |              |                    |                 |               |               |                                     |   |
| W-TKN      |              |                    |                 |               |               |                                     |   |
| Group: B   | Bottle Type: | P-125ML            | # of Bottles: 2 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1 |
| W-PO4-F    |              |                    |                 |               |               |                                     |   |
| Group: C   | Bottle Type: | BP-1L              | # of Bottles: 2 | Preservative: | Lugols        | Enter Number of Bottles Sent to Lab | 1 |
| DTY-QN-C   |              |                    |                 |               |               |                                     |   |
| PKD-QN-C   |              |                    |                 |               |               |                                     |   |

Date of Request: 22-JAN-2020  
 Created By: WOLFE\_K On: 22-JAN-2020  
 Modified By: JASROTIA\_P On: 23-JAN-2020  
 Customer: WQAP  
 Project: BLOOM-RESP  
 Division: Not Applicable  
 District: SROC  
 Sampling Event: Collier County-Algal Bloom Response

**Send Coolers To:**

Phone: 239-300-1685  
 Collier County Pollution Control  
 3339 Tamiami Trail E. Suite 304  
 Naples, FL 34112  
 Attn: Geoffrey Rosenaw

**Send Final Report To:**

2295 Victoria AVE  
 Suite 364  
 Fort Myers, FL 33901  
 Attn: Kirby Wolfe

**Program Module Number:**

Priority: 1  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 23-JAN-2020  
 Biology Request Reviewed By: JASROTIA\_P On: 23-JAN-2020  
 Sampling Kit Required: YES Ship on: 31-JAN-2020  
 Sampling Kit Shipped: YES On: 27-JAN-2020  
 Sampling Kit Packed By: REYNOLDS\_T  
 Preservatives Needed: NO  
 Date to Receive Samples: 10-FEB-2020  
 Received By: SHAIK\_A On: 03-JUN-2020

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 C - separate event, priority 12

Bottle Group A - Priority 1  
 For algal dominant taxon.

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

Bottle Group C - Priority 12  
 For algal full ID

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 2 Samples:**

Bottle Type: PT-50ML      Number of Bottles: 2      Preserved With: ICE  
 BLOOM-ID      Template: DEFAULT      (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

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

Bottle Type: BP-1L      Number of Bottles: 2      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: 2      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: 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

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

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: ICE And H2SO4                                                            |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                         |
| Bottle Type: P-125ML | Number of Bottles: 2 | 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 Group C (Water) With 2 Samples:**

|                    |                      |                                                                       |
|--------------------|----------------------|-----------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 2 | Preserved With: Lugols                                                |
| DTY-QN-C           | Template: DEFAULT    | (SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample. |
| PKD-QN-C           | Template: DEFAULT    | (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample.      |

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