

# Login Checklist

RQ- **2020 - 07 - 27 - 31**

Login Station ID: **# 3**

Shipping Method: **FedEx** | UPS | HD | Greyhound

Date/Time of Receipt: **08/18/2020 / 10:35**

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                 |                                        |          |                                       | Present?      |    | *Intact? |    |                    |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                    |
| 1.1C                |                 |                                        |          | 6                                     |               | X  |          |    | 1278 4015 4203     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO<sub>3</sub> and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# \_\_\_\_\_
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# \_\_\_\_\_
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# \_\_\_\_\_
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# \_\_\_\_\_

Chain of Custody/ Field Sheet(s) Included?

Yes **X** No \_\_\_\_\_

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes \_\_\_\_\_ No **X**

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA **X**

Evidence Tape intact? Yes \_\_\_\_\_ No \_\_\_\_\_

If Criminal, photographs taken?

Yes \_\_\_\_\_ No \_\_\_\_\_

Containers intact? Yes **X** No \_\_\_\_\_

Caps on tight?

Yes **X** No \_\_\_\_\_

Sufficient Sample Volume:

Yes **X** No \_\_\_\_\_

If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# \_\_\_\_\_

**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 chlorine is detected, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

## 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**

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

Coolers Unpacked/Checked by: **ABS**

Date: **08/18/2020**

Event contains NCRs (Y/N)? **N**

Event ID:

**WQAP - 2020 - 08 - 18 - 0**

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                          |
|--------------------------|--------------------------|
| Infrared Thermometer ID: | ITG #3 EXP:11-05-2020    |
| pH Test Strips 0 – 6     | 213316 BV EXP:05/15/2021 |
| pH Paper 0 – 3           | XXXXXXXXXX               |
| pH Paper 0 – 13          | 231019 EXP:NOV-01-2022   |
| Chlorine Test Strips     | 9080 / 2022 / 01         |

### ENCORE SAMPLES

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

Were Encore samples received? Yes \_\_\_\_\_ Init: ABS

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 \_\_\_\_\_

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

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



# Cyanobacteria Bloom Response Field Data Sheet (2019-12-16 v4)

|                            |                                      |
|----------------------------|--------------------------------------|
| RQ - 2020-07-27-31         | Collected By: Tim Crosby             |
| Customer: FDEP             | Field Report Prepared By: Tim Crosby |
| Project ID: Bloom Response | Sampling Agency: SWFWMD              |

WIN/Field ID

HAB-SW-0022



Comments:

Bright green film around edges of lake on surface. Waterfern + Giant sensitive plant present

Site Name: Dosson Lake - Center

Coordinates:

280723 823132

Collection Equip:

Bottles - Direct Grab

WIN ID:

High Tide Time:

N/A

Low Tide Time: N/A

Matrix: Fresh

Grab

Tide:

☐ Rising ☐ Falling ☐ Slack ☒ N/A

## Water Quality

| Date     | Time<br><input checked="" type="checkbox"/> EST<br><input type="checkbox"/> CEN | D.O.<br>(%) | D.O.<br>(mg/L) | Temp<br>(°C) | pH<br>(SU) | Sample<br>Depth<br>(m) | Total<br>Depth<br>(m) | Secchi<br>Disk<br>(m) | Sp. Cond.<br>(µmho/cm) | Salinity<br>(PPT) |
|----------|---------------------------------------------------------------------------------|-------------|----------------|--------------|------------|------------------------|-----------------------|-----------------------|------------------------|-------------------|
| 20200817 | 1015                                                                            | 18.90       | 1.42           | 30.00        | 6.25       | 0.5                    | 3.42                  | 1.30                  | 134                    | 0.06              |
|          |                                                                                 |             |                |              |            |                        |                       |                       |                        |                   |

## Bloom Observations

Algal Bloom Observed? ☒ Yes ☐ No

Water Surface

☐ Clear☐ Scum☐ Globs☒ Slick

Water Clarity

☐ Clear☒ Slightly Turbid☐ Turbid☐ Opaque

Bloom Color

☒ Green☐ Red☐ Brown☐ Other: \_\_\_\_\_☐ N/A

Algae Distribution

☐ Suspended in water column☒ On surface☐ Other: \_\_\_\_\_☐ N/A

Water Odors

☒ Normal☐ Sewage☐ Petroleum☐ Chemical☐ Other: \_\_\_\_\_

| Parameter Suite                     | Parameter Methods                                                       | Preservation                                                                              | pH<br>Check                             | #Bottles<br>Sent to<br>Lab | Bottle<br>Group |
|-------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------|-----------------|
| Bloom ID (PT-50mL)                  | <input checked="" type="checkbox"/> BLOOM-ID                            | <input checked="" type="checkbox"/> Ice                                                   |                                         | 1                          | A               |
| Chlorophyll (BP-1L)                 | <input checked="" type="checkbox"/> CHLSUITE-W                          | <input checked="" type="checkbox"/> Ice                                                   |                                         | 1                          | B               |
| Toxins (BG-WD250)                   | <input checked="" type="checkbox"/> W-MCYST-AA                          | <input checked="" type="checkbox"/> Ice                                                   |                                         | 1                          | B               |
|                                     | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4         | <input checked="" type="checkbox"/> <2  | 1                          | B               |
| Preserved Nutrients<br>(500mL HDPE) | Acid Lot: # SA 9354050                                                  | Exp: 12/20/20                                                                             |                                         |                            |                 |
| Filtered Nutrients<br>(P125mL)      | <input checked="" type="checkbox"/> W-PO4-F                             | <input checked="" type="checkbox"/> Field Filtered 0.45µm Filter<br>Filter Lot # 00110306 | <input checked="" type="checkbox"/> Ice | 1                          | B               |
| Quantitative Algae                  | <input checked="" type="checkbox"/> DTY-QN-C / PKD-QN-C                 | <input checked="" type="checkbox"/> Ice                                                   | Lugols? Y/N                             | 1                          | C               |
| Relinquished By:                    | Date/Time                                                               | Number of Coolers Shipped                                                                 | Received By:                            | Date/Time                  |                 |
| M. Bearden                          | 8/17/2020<br>1400                                                       | 1                                                                                         | A. Shain                                | 08-18-20/1635              |                 |

Date of Request: 09-JUL-2020  
 Created By: BEARDEN\_M On: 09-JUL-2020  
 Modified By: JASROTIA\_P On: 10-JUL-2020  
 Customer: WQAP  
 Project: BLOOM-RESP  
 Division: Not Applicable  
 District: SWFWMD  
 Event Description: Algal Bloom Response - SWFWMD

**Send Coolers To:**

Phone: 813-470-5951  
 SWFWMD  
 7601 Hwy 301 N.  
 Tampa, FL 33637-6759  
 Attn: Trevor Fagan  
 Cooler Ship Email: trevor.fagan@watermatters.org

Priority: 1  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 10-JUL-2020  
 Biology Request Reviewed By: JASROTIA\_P On: 10-JUL-2020  
 Sampling Kit Required: YES Ship on: 24-JUL-2020  
 Sampling Kit Shipped: YES On: 20-JUL-2020  
 Sampling Kit Packed By: REYNOLDS\_T  
 Preservatives Needed: YES  
 Date to Receive Samples: 27-JUL-2020  
 Logged In By: SHAIK\_A On: 18-AUG-2020

**Send Final Report To:**

13051 N. Telecom Parkway  
  
 Temple Terrace, FL 33637  
 Attn: Matthew Bearden  
 Report Notification Email:  
 matthew.bearden@dep.state.fl.us; trevor.fagan@watermatters.org

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

2 - vials of sulfuric acid/2 labels

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.

**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 |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices    |

---

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

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.