

# Log-in Checklist

RQ- 2019-08-12-37

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 9/25/19 @ 9:25

| 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 |                                     |
| 3.2                 |                |                                        |          | 11 (6)                                |               | ✓  |          |    | 9751 3782 5076                      |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |

\* HNO<sub>3</sub> and Formalin persevered 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.**

\*\*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: KK

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: KK

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

Coolers Unpacked/Checked by: KK Date: 9/25/19

NCRs (Y/N)? N

Event ID: Algal Bloom Response - As needed  
WQAP-2019-09-25-01 (BLOOM-RESP)  
 Date Received: 25-SEP-2019 09:25

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:

|                            |                          |
|----------------------------|--------------------------|
| Infrared Thermometer ID:   | REC_07_2018 EXP:12/28/19 |
| pH Test Strips 0 – 6 Lot # |                          |
| pH Paper 0 – 3 Lot #       | 220416A EXP:7/30/20      |
| pH Paper 0 – 13 Lot #      | 222516 EXP:9/15/19       |
| Chlorine Test Strips Lot # | 091417V EXP:9/2021       |

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

## Central Laboratory Submittal Form

Customer: WQAP

Project ID: BLOOM-RESP

Requester: Michael Linger

Field Report Prepared By:

Mike Linger

Collected By:

Mike Linger / Mike Drennan

Sampling Agency:

FDEP CE-ROC

|                                                                         |                                                                               |                                                                               |                                                                            |                                 |                               |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------|-------------------------------|
| Location                                                                | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab     | Collection (comp begin or grab)<br>Date 9/24/19 Time 1315                     | Eastern<br>Central                                                         | Composite end<br>Date Time      | Bottle Group(s)<br>(See pg 2) |
| Field ID<br>Lake Olivia HAB<br>9/24/2019<br>MKL / LMD                   | Matrix (type, e.g., Salt, Fresh, etc)                                         | Diss. Oxygen<br>10.22                                                         | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)   | A, B, C                       |
| WIN/S                                                                   | Temp (C) 28.7                                                                 | pH 8.69                                                                       | Sample Depth 0.3                                                           | Sp. Conductance (umho/cm) 244.6 |                               |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Comments                                                                      |                                                                            |                                 |                               |
| Location                                                                | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab                | Collection (comp begin or grab)<br>Date Time                                  | Eastern<br>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                                                               | Sp. Conductance (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)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Comments                                                                   |                                 |                               |
| Location                                                                | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab                | Collection (comp begin or grab)<br>Date Time                                  | Eastern<br>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                                                               | Sp. Conductance (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)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Comments                                                                   |                                 |                               |
| Location                                                                | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab                | Collection (comp begin or grab)<br>Date Time                                  | Eastern<br>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                                                               | Sp. Conductance (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)<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Comments                                                                   |                                 |                               |

|                         |                           |                          |                                 |                    |                           |
|-------------------------|---------------------------|--------------------------|---------------------------------|--------------------|---------------------------|
| Relinquished By:<br>MKL | Date/Time<br>9/24/19 1600 | Shipping Method<br>FedEx | Number of Coolers Shipped:<br>1 | Received By:<br>HK | Date/Time<br>9-25-19 1025 |
|-------------------------|---------------------------|--------------------------|---------------------------------|--------------------|---------------------------|

|                                        |              |                    |                 |                                            |               |                                     |   |
|----------------------------------------|--------------|--------------------|-----------------|--------------------------------------------|---------------|-------------------------------------|---|
| Group: A                               | Bottle Type: | PT-50ML            | # of Bottles: 1 | Preservative:                              | ICE           | Enter Number of Bottles Sent to Lab | 1 |
| BLOOM-ID                               |              |                    |                 |                                            |               |                                     |   |
| Group: B                               | Bottle Type: | BP-1L              | # of Bottles: 1 | Preservative:                              | ICE           | Enter Number of Bottles Sent to Lab | 1 |
| CHLSUITE-W                             |              |                    |                 |                                            |               |                                     |   |
| Group: B                               | Bottle Type: | BG-250ML-WDMT<br>H | # of Bottles: 1 | Preservative:                              | ICE           | Enter Number of Bottles Sent to Lab | 1 |
| W-MCYST-AA                             |              |                    |                 |                                            |               |                                     |   |
| Group: B                               | Bottle Type: | P-500ML            | # of Bottles: 1 | Preservative:                              | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|                                        |              |                    |                 | H2SO4<br>LOT# SA7163030<br>EXP: 10/30/2019 |               |                                     |   |
| W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN |              |                    |                 |                                            |               |                                     |   |
| Group: B                               | Bottle Type: | P-125ML            | # of Bottles: 1 | Preservative:                              | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1 |
| W-PO4-F                                |              |                    |                 |                                            |               |                                     |   |
| Group: C                               | Bottle Type: | BP-1L              | # of Bottles: 1 | Preservative:                              | Lugols        | Enter Number of Bottles Sent to Lab | 1 |
| DTY-QN-C<br>PKD-QN-C                   |              |                    |                 |                                            |               |                                     |   |

Date of Request: 25-JUL-2019  
 Created By: LINGER\_M On: 25-JUL-2019  
 Modified By: WATTS\_J On: 29-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: 29-JUL-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 29-JUL-2019  
 Sampling Kit Required: YES Ship on: 05-AUG-2019  
 Sampling Kit Shipped: YES On: 05-AUG-2019  
 Sampling Kit Packed By: REYNOLDS\_T  
 Preservatives Needed: NO  
 Date to Receive Samples: 12-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 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 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 |

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

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                            |
| 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 |

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

|                    |                      |                                                                       |
|--------------------|----------------------|-----------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 1 | 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.

**Cooler Packing Worksheet for Request: RQ-2019-08-12-37**

**Algal Bloom Response - As needed**

**Ship Cooler On: 8/2/2019**

**Customer/Project: WQAP/BLOOM-RESP**

Assigned To: REYNOLDS\_T

Requester: Michael Linger

Priority: 1

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

**Comments:**

No preservatives needed.

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.

**Requested Analyses:**

---

**Bottle Group: A**

**# of Sites: 1**

Container ID: PT-50ML

Qty: 1

Preservation: ICE

Lot # 03775003

Description: Plastic Tube 50 mL

**Analysis**

BLOOM-ID

**Description**

Assessment of dominant algal taxa in bloom or mat sample

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**Bottle Group: B**

**# of Sites: 1**

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1248230

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: BG-250ML-WDMTH

Qty: 1 Preservation: ICE

Lot # 00074677

Description: Wide Mouth Amber Glass Bottle 250 ml

Analysis

W-MCYST-AA

Description

Microcystins in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00074433

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: FILTER-ICE

Lot # 00074800

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: C

# of Sites: 1

Container ID: BP-1L

Qty: 1 Preservation: Lugols

Lot # 1248230

Description: Brown Plastic Bottle 1L

Analysis

DTY-QN-C

PKD-QN-C

Description

No. of diatom taxa of quantitative phytoplankton sample.

No. of wet taxa of quantitative phytoplankton sample.

Cooler Packed By: Tyler P. Number of Coolers: 1 Date: 07/31/19

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

|          |           |             |
|----------|-----------|-------------|
| ID _____ | Exp _____ | Lot # _____ |
| ID _____ | Exp _____ | Lot # _____ |
| ID _____ | Exp _____ | Lot # _____ |
| ID _____ | Exp _____ | Lot # _____ |
| ID _____ | Exp _____ | Lot # _____ |

**PLEASE RETURN ALL COOLERS FOR RQ-2019-08-12-37**