

RQ-2020-12-07-65

## Login Checklist

Login Station ID: #4

Shipping Method: FedEx UPS | HD | GreyhoundDate/Time of Receipt: 12/29/2020 @ 9:15

| *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 |                    |
| 1.5°C               |                 |                                        |          | 10                                    |               | X  |          |    | 9293 8008 0279     |
| 1.9°C               |                 |                                        |          | 5                                     |               | X  |          |    | 9293 8008 0280     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO3 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 ☒ No \_\_\_\_\_

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

Yes \_\_\_\_\_ No ☒

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA ☒

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

If Criminal, photographs taken?

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

Containers intact? Yes ☒ No \_\_\_\_\_

Caps on tight?

Yes ☒ No \_\_\_\_\_

Sufficient Sample Volume:

Yes ☒ 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 ☒ Init: Tyler

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No \_\_\_\_\_ Init: \_\_\_\_\_

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 &lt; 2.0?

Yes ☒ No \_\_\_\_\_ NA \_\_\_\_\_ Init: Tyler

\*\*W-1-4-DIOX (Green dot on container) preserved to pH &lt; 4.0?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA ☒ Init: Tyler

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

Coolers Unpacked/Checked by: Tyler ReynoldsDate: 12/29/2020Event contains NCRs (Y/N)? NoneEvent ID: Algal Bloom Response - CEROC  
WQAP-2020-12-29-01 (BLOOM-RESP)Page 1 of 2, 06 Date Received: 29-DEC-2020 09:15

# Login Checklist

## Login Preservation Equipment

## Lot # & Exp: Date

## Additional Comments:

|                          |                            |
|--------------------------|----------------------------|
| Infrared Thermometer ID: | #4 Temp Gun EXP:10/28/2021 |
| pH Test Strips 0 – 6     | N/A                        |
| pH Paper 0 – 3           | N/A                        |
| pH Paper 0 – 13          | 231019 EXP:11/01/2022      |
| Chlorine Test Strips     | 8261 EXP:07/2021           |

## ENCORE SAMPLES

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

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

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)

Email scanned submittal forms to [lab.receiving@FloridaDEP.gov](mailto:lab.receiving@FloridaDEP.gov)

RQ - 2020 - 12-07-65

Customer: WQAP

Project ID: BLOOM-RESP

Location:

Collected By:

Field Report

Prepared By:

Sampling Agency: 21FLCEN - CEROC

Natalie Ayala / Victoria Schwartz

Victoria Schwartz

Comments:

\* Quantitative Algae sample sent to FWR

Field ID: HABCE0051\_IRLFishKill1

Win ID: HABCE0051

IRL @ Cocoa Village Marina

Coordinates: (28.356760, -80.724333)

Collection Equip: Sample bottles, pole, syringe

High Tide Time: 10:39

Low Tide Time: 17:26

WIN ID:

Matrix: Marine

Grab

Tide: ☐ Rising ☒ Falling ☐ Slack ☐ N/A

Water Quality

(Shrimp Trap / Light)

| 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>(PPTH) |
|----------|---------------------------------------------------------------------------------|-------------|----------------|--------------|------------|------------------------|-----------------------|-----------------------|------------------------|--------------------|
| 12/28/20 | 11:58                                                                           | 125.3       | 11.49          | 15.0         | 8.58       | 0.2                    | 0.4                   | 0.4                   | 25,766                 | 15.78              |
|          |                                                                                 |             |                |              |            |                        |                       | (vob)                 |                        |                    |

## 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  
Check

#Bottles  
Sent to  
Lab

Bottle  
Group

Bloom ID (PT-50mL)

☒ BLOOM-ID

☒ Ice

1

A

Chlorophyll (BP-1L)

☒ CHLSUITE-W

☒ Ice

1

B

Toxins (BG-WD250)

☒ W-MCYST-AA

☒ Ice

1

B

☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP

☒ Ice

☒ H2SO4

☒ <2

1

B

Preserved Nutrients  
(500mL HDPE)

Acid Lot: SA0293040

Exp: 10/19/21

Filtered Nutrients  
(P125mL)

☒ W-PO4-F

☒ Field Filtered 0.45µm Filter

☒ Ice

1

B

Filter Lot # 9149785

\* Quantitative Algae

☒ DTY-QN-C / PKD-QN-C

☐ Ice

Lugols? Y/(N)

\*

1

B

Relinquished By:

Date/Time

Number of Coolers Shipped

Received By:

Date/Time

V. Schwartz 12/28/20 16:00

2

LIMS EVENT ID: WQAP-2020-

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



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

Email scanned submittal forms to [lab.receiving@FloridaDEP.gov](mailto:lab.receiving@FloridaDEP.gov)

RQ - 2020 - 12-07-65

Customer: WQAP

Project ID: BLOOM-RESP

Location:

Field ID: HABCE0052\_IRLFishKill2

Win ID: HABCE0052

IRL @ N of Magnolia Point

Collected By:

Field Report

Prepared By:

Natalie Ayala/Victoria Schwartz  
Victoria Schwartz

Sampling Agency: 21FLCEN - CEROC

Comments:

\* Quantitative algae sample sent to FWR

Coordinates: (28.382280, -80.736810)

Collection Equip: Sample bottles, pole, syringe

High Tide Time: 10:39 Low Tide Time: 17:26

WIN ID:

Matrix: Marine

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>(PPTH) |
|----------|---------------------------------------------------------------------------------|-------------|----------------|--------------|------------|------------------------|-----------------------|-----------------------|------------------------|--------------------|
| 12/28/20 | 12:32                                                                           | 188.5       | 17.07          | 15.9         | 8.72       | 0.15                   | 0.3                   | 0.3                   | 24,088                 | 14.66              |

(VDS)

## Bloom Observations

Algal Bloom Observed? ☐ Yes ☒ No

Water Surface ☒ Clear ☐ Scum

☐ Globbs ☐ 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  
Check

#Bottles  
Sent to  
Lab

Bottle  
Group

Bloom ID (PT-50mL)

☒ BLOOM-ID

☒ Ice

1

A

Chlorophyll (BP-1L)

☒ CHLSUITE-W

☒ Ice

1

B

Toxins (BG-WD250)

☒ W-MCYST-AA

☒ Ice

1

B

☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP

☒ Ice

☒ H2SO4

☒ <2

1

B

Preserved Nutrients  
(500mL HDPE)

Acid Lot: SA0293040

Exp: 10/19/21

Filtered Nutrients  
(P125mL)

☒ W-PO4-F

☒ Field Filtered 0.45µm Filter  
Filter Lot # 9149785

☒ Ice

1

B

\* Quantitative Algae

☒ DTY-QN-C / PKD-QN-C

☐ Ice

Lugols? Y/N

\* 1

B

Relinquished By:

Date/Time

Number of Coolers Shipped

Received By:

Date/Time

Vi Schwartz 12/28/20 16:00

2

LIMS EVENT ID: WQAP-2020-

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



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

Email scanned submittal forms to [lab.receiving@FloridaDEP.gov](mailto:lab.receiving@FloridaDEP.gov)

RQ - 2020 - 12-07-65

Customer: WQAP

Project ID: BLOOM-RESP

Location:

Collected By:

Field Report

Prepared By:

Sampling Agency: 21FLCEN - CEROC

Natalie Ayala/Victoria Schwartz

Natalie Ayala/Victoria Schwartz

Comments:

\* Split samples with FWRI

Field ID: HABCE0053\_IRLFishKill3

Win ID: HABCE0053

IRL @ 528 Bridge N

Coordinates: (28.402010, -80.743570)

Collection Equip: Sample Bottle, Syringe

High Tide Time: 10:39 Low Tide Time: 17:26

WIN ID: HABCE0053

Matrix: Marine

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>(PPTH) |
|----------|---------------------------------------------------------------------------------|-------------|----------------|--------------|------------|------------------------|-----------------------|-----------------------|------------------------|--------------------|
| 12/28/20 | 1301                                                                            | 147.8       | 1224           | 19.8         | 8.60       | 0.2                    | 0.4                   | 0.4(s)                | 26480                  | 16.25              |

## 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  
Check

#Bottles  
Sent to  
Lab

Bottle  
Group

Bloom ID (PT-50mL)

☒ BLOOM-ID

☒ Ice

1

A

Chlorophyll (BP-1L)

☒ CHLSUITE-W

☒ Ice

1

B

Toxins (BG-WD250)

☒ W-MCYST-AA

☒ Ice

1

B

Preserved Nutrients  
(500mL HDPE)

☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP

☒ Ice

☒ H2SO4

☒ <2

1

B

Acid Lot: SA0293040

Exp: 10/19/21

Filtered Nutrients  
(P125mL)

☒ W-PO4-F

☒ Field Filtered 0.45µm Filter  
Filter Lot # 9149785

☒ Ice

1

B

\* Quantitative Algae

☒ DTY-QN-C / PKD-QN-C

☐ Ice

Lugols? Y ☒ N

\* 1

B

Relinquished By:

Date/Time

Number of Coolers Shipped

Received By:

Date/Time

V. Schwartz 12/28/20 16:00

2

LIMS EVENT ID: WQAP-2020-

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

Date of Request: 01-DEC-2020  
 Created By: WATTS\_J On: 01-DEC-2020  
 Modified By: JASROTIA\_P On: 01-DEC-2020  
 Customer: WQAP  
 Project: BLOOM-RESP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central  
 Event Description: Algal Bloom Response - CEROC

**Send Coolers To:**

Phone: 407-897-4178  
 3319 Maguire Blvd Ste 232  
  
 Orlando, FL 32803  
 Attn: Natalie Ayala  
 Cooler Ship EMail: natalie.ayala@FloridaDep.gov

Priority: 1  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 01-DEC-2020  
 Biology Request Reviewed By: JASROTIA\_P On: 01-DEC-2020  
 Sampling Kit Required: YES Ship on: 04-DEC-2020  
 Sampling Kit Shipped: YES On: 01-DEC-2020  
 Sampling Kit Packed By: AYRES\_J  
 Preservatives Needed: NO  
 Date to Receive Samples: 07-DEC-2020  
 Logged In By: SHAIK\_A On: 18-DEC-2020

**Send Final Report To:**

3319 Maguire Blvd Ste 232  
  
 Orlando, FL 32803  
 Attn: Natalie Ayala  
 Report Notification EMail:  
 Natalie.Ayala@FloridaDEP.gov;david.d.whiting@dep.state.fl.us

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

Bottle Group A - Priority 1  
 For algal dominant taxon.

Bottle Group B - Priority 1  
 For toxin testing, nutrients, chlorophyll, 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 8 Samples:**

Bottle Type: PT-50ML Number of Bottles: 8 Preserved With: ICE  
 BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample  
 \*Dominant sample taxon

**Bottle Group B (Water) With 8 Samples:**

Bottle Type: BP-1L Number of Bottles: 8 Preserved With: ICE  
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Chlorophyll-a, Corrected  
 Chlorophyll-a, Uncorrected  
 Phaeophytin-a

Bottle Type: BP-1L Number of Bottles: 8 Preserved With: Lugols  
 DTY-QN-C Template: DEFAULT (SOP-AB05\_1) No. of diatom taxa of quantitative phytoplankton sample.  
 \*Phytoplankton-Quantitative-#Diatom Taxa  
 PKD-QN-C Template: DEFAULT (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample.  
 \*Phytoplankton-Quantitative-# Wet Taxa

Bottle Type: BG-250ML-WDMTH Number of Bottles: 8 Preserved With: ICE  
 W-MCYST-AA Template: DEFAULT (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS  
 \*Anatoxin-a  
 \*Cylindrospermopsin

**Bottle Group B (Water) With 8 Samples:**

Bottle Type: BG-250ML-WDMTH      Number of Bottles: 8      Preserved With: ICE  
 W-MCYST-AA      Template: DEFAULT      (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS

\*Desmethyl microcystin LR

\*Microcystin LA

\*Microcystin LF

\*Microcystin LR

\*Microcystin LW

\*Microcystin LY

\*Microcystin RR

\*Microcystin WR

\*Microcystin YR

Bottle Type: P-500ML      Number of Bottles: 8      Preserved With: ICE And H2SO4  
 W-NH3      Template: DEFAULT      (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L  
     Ammonia-N  
 W-NO2NO3      Template: DEFAULT      (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  
     NO2NO3-N  
 W-S-A-TP      Template: DEFAULT      (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L  
     Total-P  
 W-TKN      Template: DEFAULT      (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices  
     Kjeldahl Nitrogen

Bottle Type: P-125ML      Number of Bottles: 8      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  
     O-Phosphate-P

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