

## McCoy, Ian

---

**From:** Pein, Jessica  
**Sent:** Tuesday, August 2, 2022 1:11 PM  
**To:** McCoy, Ian  
**Cc:** Klug, Kyle  
**Subject:** RE: Missing Matrix

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Good Afternoon,

This is fresh water! I apologize, please let me know if you have any other comments, questions, or concerns.

Thank you,  
Jessica Pein



**Ms. Jessica M. Pein**  
Environmental Consultant  
Department of Environmental Protection  
Division of Water Resource Management  
Phosphate Management Program  
[Jessica.Pein@FloridaDEP.gov](mailto:Jessica.Pein@FloridaDEP.gov)  
Office: 813-470-5798

---

**From:** McCoy, Ian <Ian.McCoy@FloridaDEP.gov>  
**Sent:** Tuesday, August 2, 2022 11:45 AM  
**To:** Pein, Jessica <Jessica.Pein@FloridaDEP.gov>  
**Cc:** Klug, Kyle <Kyle.Klug@FloridaDEP.gov>  
**Subject:** Missing Matrix

Good morning, I received RQ-2022-08-01-72 and noticed that the matrix section is empty, is this a Fresh/Brackish/Salt water?

Ian McCoy  
Florida DEP Receiving  
Lab Support Staff  
Phone - 850-245-8062

RQ-2022-07-18-32

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 8/2/2022 9:43

| *Cooler Temperature | Samples Frozen?<br>YES | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|------------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                        | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |    | *Intact? |    |                    |
|                     |                        |                                        |          |                                       | Yes           | No | Yes      | No |                    |
| 4.1                 |                        |                                        |          | 6                                     |               |    |          |    | 5229 95481426      |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |

## 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 ☒ 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: IM

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: IM

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

Yes ☐ No ☒ NA ☐ Init: IM

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

Coolers Unpacked/Checked by: IM

Date: 8/2/2022

Event contains NCRs (Y/N)? ☒

Event ID:

Algal Bloom Response - CEROC  
 WQAP-2022-08-02-02 (BLOOM-RESP)  
 Date Received: 02-AUG-2022 09:43

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

### Additional Comments:

|                          |                             |
|--------------------------|-----------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #2 exp:10/19/22 |
| pH Test Strips 0 – 6     |                             |
| pH Paper 0 – 3           |                             |
| pH Paper 0 – 13          | 210620 exp: 4/15/23         |
| Chlorine Test Strips     | 0070 exp: 02/2023           |

### 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 (2022-06-10 v1)

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

|                                   |                                                                                 |                                                                                                                                |                |                                                                                     |            |                                                                                   |                       |                                                                                                                                         |                        |                    |
|-----------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------|
| RQ - 2022-07-18-32                |                                                                                 |                                                                                                                                |                | Collected By:                                                                       |            | Katie March, Victoria Schwartz                                                    |                       |                                                                                                                                         |                        |                    |
| Customer:                         |                                                                                 | WQAP                                                                                                                           |                | Field Report Prepared By:                                                           |            | Victoria Schwartz                                                                 |                       |                                                                                                                                         |                        |                    |
| Project ID:                       |                                                                                 | BLOOM_RESP                                                                                                                     |                | Sampling Agency:                                                                    |            | CEROC                                                                             |                       |                                                                                                                                         |                        |                    |
| Location: Johns Lake - W Lobe     |                                                                                 |                                                                                                                                |                | Comments: Sunny. Submerged globs of bright green periphyton attached to Potamogeton |            |                                                                                   |                       |                                                                                                                                         |                        |                    |
|                                   |                                                                                 |                                                                                                                                |                | Lab Comment: Please add ALGAL-ID (Qty: 1, Bottle Group: B) to RQ - thank you!       |            |                                                                                   |                       |                                                                                                                                         |                        |                    |
| Field ID: HABCE0133_JohnsLake     |                                                                                 |                                                                                                                                |                | Coordinates:                                                                        |            | 28.53229, -81.67136                                                               |                       |                                                                                                                                         |                        |                    |
| WIN Secondary Resource Type: Lake |                                                                                 |                                                                                                                                |                | Collection Equip:                                                                   |            | WaterBottle                                                                       |                       |                                                                                                                                         |                        |                    |
| WIN ID:                           |                                                                                 |                                                                                                                                |                | High Tide Time:                                                                     |            |                                                                                   |                       | Low Tide Time:                                                                                                                          |                        |                    |
| Matrix:                           |                                                                                 | Fresh                                                                                                                          |                | Grab                                                                                |            | Tide:                                                                             |                       | <input type="checkbox"/> Rising <input type="checkbox"/> Falling <input type="checkbox"/> Slack <input checked="" type="checkbox"/> 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) |
| 08/01/2022                        | 12:25                                                                           | 101.5                                                                                                                          | 7.38           | 32.2                                                                                | 7.64       | 0.3                                                                               | 2.6                   | 2.2                                                                                                                                     | 218                    | 0.1                |
|                                   |                                                                                 |                                                                                                                                |                |                                                                                     |            |                                                                                   |                       |                                                                                                                                         |                        |                    |
|                                   |                                                                                 |                                                                                                                                |                |                                                                                     |            |                                                                                   |                       |                                                                                                                                         |                        |                    |
| Bloom Observations                |                                                                                 |                                                                                                                                |                |                                                                                     |            |                                                                                   |                       |                                                                                                                                         |                        |                    |
| Algal Bloom Observed?             |                                                                                 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                            |                |                                                                                     |            |                                                                                   |                       |                                                                                                                                         |                        |                    |
| Water Clarity                     |                                                                                 | <input checked="" type="checkbox"/> Clear                                                                                      |                | <input type="checkbox"/> Slightly Turbid                                            |            | <input type="checkbox"/> Turbid                                                   |                       | <input type="checkbox"/> Opaque                                                                                                         |                        |                    |
| Bloom Color                       |                                                                                 | <input checked="" type="checkbox"/> Green                                                                                      |                | <input type="checkbox"/> Red                                                        |            | <input type="checkbox"/> Brown                                                    |                       | <input type="checkbox"/> Other:                                                                                                         |                        |                    |
| Algae Type                        |                                                                                 | <input type="checkbox"/> Planktonic                                                                                            |                | <input checked="" type="checkbox"/> Filamentous                                     |            | <input type="checkbox"/> Other:                                                   |                       |                                                                                                                                         |                        |                    |
| Algae Accumulation                |                                                                                 | <input type="checkbox"/> Mat                                                                                                   |                | <input type="checkbox"/> Specks                                                     |            | <input type="checkbox"/> Scum                                                     |                       | <input checked="" type="checkbox"/> Glob                                                                                                |                        |                    |
| Algae Distribution                |                                                                                 | <input type="checkbox"/> Surface-Entire                                                                                        |                | <input checked="" type="checkbox"/> Surf-Localized                                  |            | <input type="checkbox"/> Surf-Windblown                                           |                       | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Benthic <input type="checkbox"/> Epiphytic                       |                        |                    |
| Parameter Suite                   |                                                                                 | Parameter Methods                                                                                                              |                |                                                                                     |            | Preservation                                                                      |                       | pH Check                                                                                                                                | #Bottles Sent to Lab   | Bottle Group       |
| Algal ID (PT-50mL)                |                                                                                 | <input checked="" type="checkbox"/> ALGAL-ID                                                                                   |                |                                                                                     |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                      | B                  |
| 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"/> W-SAXTN-MS <input type="checkbox"/> OV-TOXN |                |                                                                                     |            | <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 (500mL HDPE)  |                                                                                 | 132275<br>Acid Lot:                                                                                                            |                |                                                                                     |            | 12/7/22<br>Exp:                                                                   |                       |                                                                                                                                         |                        |                    |
| Filtered Nutrients (P125mL)       |                                                                                 | <input checked="" type="checkbox"/> W-PO4-F                                                                                    |                | <input checked="" type="checkbox"/> Field Filtered 0.45um Filter                    |            | <input checked="" type="checkbox"/> Ice                                           |                       |                                                                                                                                         | 1                      | B                  |
|                                   |                                                                                 | Filter Lot # 17413308                                                                                                          |                |                                                                                     |            |                                                                                   |                       |                                                                                                                                         |                        |                    |
| Quantitative Algae                |                                                                                 | <input type="checkbox"/> DTY-QN-C / PKD-QN-C                                                                                   |                |                                                                                     |            | <input type="checkbox"/> Ice <input type="checkbox"/> Lugols                      |                       |                                                                                                                                         |                        |                    |
| Relinquished By:                  |                                                                                 | Date/Time                                                                                                                      |                | Number of Coolers Shipped                                                           |            |                                                                                   | Received By:          |                                                                                                                                         | Date/Time              |                    |
| Victoria Schwartz                 |                                                                                 | 08/01/2022 16:00                                                                                                               |                | 1                                                                                   |            |                                                                                   |                       |                                                                                                                                         |                        |                    |

★ Please add ALGAL-ID  
(Qty: 1, Bottle Group: B)  
to RQ

Printed: 8/1/2022 2:30:49 PM

Page 1 of 2

Date of Request: 20-JUN-2022  
Created By: BOMAN\_L On: 20-JUN-2022  
Modified By: JASROTIA\_P On: 29-JUN-2022  
Customer: WQAP  
Project: BLOOM-RESP  
Division: Division of Environmental Assessment and Restoration  
District: Central  
Event Description: Algal Bloom Response - CEROC

## Send Coolers To:

— thank you!

Phone: 407-897-4181  
3319 Maguire Blvd Ste 232  
  
Orlando, FL 32803  
Attn: Leif Boman  
Cooler Ship Email: Leif.Boman@FloridaDep.gov

Priority: 1  
Event Status: R  
Criminal Investigation: NO  
Chemistry Request Reviewed By: AYRES\_J On: 29-JUN-2022  
Biology Request Reviewed By: JASROTIA\_P On: 29-JUN-2022  
Sampling Kit Required: YES Ship on: 08-JUL-2022  
Sampling Kit Shipped: YES On: 07-JUL-2022  
Sampling Kit Packed By: SHAIK\_A  
Preservatives Needed: NO  
Date to Receive Samples: 18-JUL-2022  
Logged In By: GIVENS\_G On: 29-JUL-2022

## Send Final Report To:

3319 Maguire Blvd. Suite 232  
  
Orlando, FL 32803  
Attn: Matt Bearden  
Report Notification Email: Matthew.Bearden@FloridaDEP.gov

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 6 Samples:**

Bottle Type: PT-50ML Number of Bottles: 6 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 6 Samples:**

Bottle Type: BP-1L Number of Bottles: 6 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: BG-250ML-WDMTH Number of Bottles: 6 Preserved With: ICE  
W-MCYST-AA Template: DEFAULT (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS  
Cylindrospermopsin  
Desmethyl microcystin LR  
Microcystin H1R  
Microcystin HtyR  
Microcystin LA  
Microcystin LF

**Bottle Group B (Water) With 6 Samples:**

|                             |                      |                                                                                          |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: BG-250ML-WDMTH | Number of Bottles: 6 | Preserved With: ICE                                                                      |
| W-MCYST-AA                  | Template: DEFAULT    | (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS                                 |
| Microcystin LR              |                      |                                                                                          |
| Microcystin LW              |                      |                                                                                          |
| Microcystin LY              |                      |                                                                                          |
| Microcystin RR              |                      |                                                                                          |
| Microcystin WR              |                      |                                                                                          |
| Microcystin YR              |                      |                                                                                          |
| Nodularin-R                 |                      |                                                                                          |
| W-SAXTN-MS                  | Template:            | (EPA 8321B) Saxitoxin in water matrices by HPLC/MS/MS                                    |
| Anatoxin-a                  |                      |                                                                                          |
| Bottle Type: P-500ML        | Number of Bottles: 6 | 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: 6 | 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.