

## **Reaves, Shawn D**

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**From:** Barrington, John  
**Sent:** Tuesday, September 19, 2023 7:38 AM  
**To:** Reaves, Shawn D  
**Subject:** RE: RQ-2023-07-17-60

No extra 2. HAB-SD-082223-0815.

Thanks  
John

**From:** Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>  
**Sent:** Tuesday, September 19, 2023 7:21 AM  
**To:** Barrington, John <John.Barrington@FloridaDEP.gov>  
**Subject:** RQ-2023-07-17-60

**Good Morning,**

**Can you verify the field id below?**

**Thanks,**

**Sample Location: Caloosahatchee River - Overiver Dr Collection Date/Time: 08/22/2023 08:15**  
**Field ID: HAB-SD-082223-0815**

RQ - 2023-07-17-60

Collected By:

Samantha Gel

Customer: SO-DIST

Field Report

Samantha Gel

Prepared By:

Project ID: BLOOM\_RESP

Sampling Agency:

SOROC

Location: Caloosahatchee River - Overriver Dr

Comments: No algal bloom

Field ID: HAB-SD-0822223-0815

Coordinates:

26.64938,

WIN Secondary Resource Type: Canal

Collection Equip:

WaterBo

WIN ID: HAB-SD-0154

High Tide Time:

Matrix: Fresh

Grab

Tide: ☐ Rising

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) |
|------------|---------------------------------------------------------------------------------|-------------|----------------|--------------|------------|------------------------|-----------------------|
| 08/22/2023 | 08:15                                                                           | 61.4        | 4.61           | 29.1         | 6.67       | 0.3                    | 0.7                   |

# Login Checklist

RQ-2023-07-17-60

Login Station ID: #4

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

Date/Time of Receipt: 08/ 23 /2023@09:16

| *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 |                    |
| 2.1                 |                 |                                        |          | 12                                    |               | X  |          |    | 585947316676       |

## 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 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: TL

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< 2.0?

Yes X No \_\_\_\_\_ NA \_\_\_\_\_ Init: TL

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

Yes \_\_\_\_\_ No \_\_\_\_\_ NA X Init: TL

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

Coolers Unpacked/Checked by: TL

Date: 08/ 23 /2023

Event contains NCRs(Y/N)? N

Event ID: SO-DIST-2023-08-23-03

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

|                          |                                 |
|--------------------------|---------------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #4 Exp: 10/17/2023  |
| pH Test Strips 0 – 6     | LOT# 223818AV Exp: AUG 30, 2023 |
| pH Paper 0 – 3           | N/A                             |
| pH Paper 0 – 13          | LOT# 207621 Exp: March 15, 2024 |
| Chlorine Test Strips     | LOT# 1196 Exp: Feb. 2024        |

### Additional Comments:

2 sample a/b a/c  
10:12 AM  
IL

### 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# \_\_\_\_\_



## Cyanobacteria Bloom Response Field Data Sheet (2023-06-12 v1)

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

RQ - 2023-07-17-60

Collected By: Samantha Gelinas, John Barrington

Customer: SO-DIST

Field Report Prepared By: Samantha Gelinas

Project ID: BLOOM\_RESP

Sampling Agency: SOROC

Location: Caloosahatchee River - Overriver Dr

Comments: No algal bloom observed.

Field ID: HAB-SD-0822223-0815

Coordinates: 26.64938, -81.89754

WIN Secondary Resource Type: Canal

Collection Equip: WaterBottle

WIN ID: HAB-SD-0154

High Tide Time:

Low Tide Time:

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) |
|------------|---------------------------------------------------------------------------------|-------------|----------------|--------------|------------|------------------------|-----------------------|-----------------------|------------------------|-------------------|
| 08/22/2023 | 08:15                                                                           | 61.4        | 4.61           | 29.1         | 6.67       | 0.3                    | 0.7                   | 0.6                   | 1277                   | 0.63              |

### Bloom Observations

Algal Bloom Observed? ☐ Yes ☒ No

Water Clarity ☐ Clear ☒ Slightly Turbid ☐ Turbid ☐ Opaque

Bloom Color ☐ Green ☐ Red ☐ Brown ☐ Other:

Algae Type ☐ Planktonic ☐ Filamentous ☐ Other:

Algae Accumulation ☐ Mat ☐ Specks ☐ Scum ☐ Glob

Algae Distribution ☐ Surface-Entire ☐ Surf-Localized ☐ Surf-Windblown ☐ Suspended ☐ Benthic ☐ Epiphytic

### Parameter Suite

### Parameter Methods

### Preservation

pH  
Check

#Bottles  
Sent to  
Lab

Bottle  
Group

Algae (PT-50mL)

☐ ALGAL-ID ☒ BLOOM-ID

☒ Ice

1

B

Chlorophyll (BP-1L)

☒ CHLSUITE-W

☒ Ice

1

A

Toxins (P-125/BG-250)

☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN

☒ Ice

1

B

Physical/Aggregate

☒ W-COLOR

☒ Ice

1

B

☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-S-A-TP

☒ Ice ☒ H2SO4

☒ <2

1

B

Preserved Nutrients  
(500mL HDPE)

SA3013020

01/25/2024

Acid Lot:

Exp:

Filtered Nutrients  
(P125mL)

☒ W-PO4-F

☒ Field Filtered 0.45µm Filter

☒ Ice

1

B

Filter Lot # 17589311

Quantitative Algae

☐ DTY-QN-C / PKD-QN-C

☐ Ice

☐ Lugols

Date/Time

Relinquished By:

Date/Time

Number of Coolers Shipped

Received By:

Date/Time

Samantha Gelinas 08/22/2023 08:15

2

TL

8/23/23 @ 09:16



## Cyanobacteria Bloom Response Field Data Sheet (2023-06-12 v1)

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

RQ - 2023-07-17-60

Collected By:

Samantha Gelinas, John Barrington

Customer: SO-DIST

Field Report

Samantha Gelinas

Prepared By:

Project ID: BLOOM\_RESP

Sampling Agency:

SOROC

Location: Caloosahatchee River - End of Canal Cir

Comments: Algal bloom observed. Green specks on water surface and throughout column. Localized towards sea wall due to wind.

Field ID: HAB-SD-082223-0840

Coordinates:

26.64222, -81.91258

WIN Secondary Resource Type: Canal

Collection Equip:

WaterBottle

WIN ID: HAB-SD-0155

High Tide Time:

Low Tide Time:

Matrix: Fresh

Grab

Tide:

☐ Rising

☐ Falling

☐ Slack

☒ N/A

### Water Quality

| Date       | Time  | D.O. (%) | D.O. (mg/L) | Temp (°C) | pH (SU) | Sample Depth (m) | Total Depth (m) | Secchi Disk (m) | Sp. Cond. (µmho/cm) | Salinity (PPTH) |
|------------|-------|----------|-------------|-----------|---------|------------------|-----------------|-----------------|---------------------|-----------------|
| 08/22/2023 | 08:40 | 81.5     | 6.18        | 29.8      | 7.6     | 0.3              | 0.8             | 0.8             | 1232                | 0.61            |

### Bloom Observations

Algal Bloom Observed? ☒ Yes ☐ No

Water Clarity

☐ Clear

☒ Slightly Turbid

☐ Turbid

☐ Opaque

Bloom Color

☒ Green

☐ Red

☐ Brown

☐ Other:

Algae Type

☒ Planktonic

☐ Filamentous

☐ Other:

Algae Accumulation

☐ Mat

☒ Specks

☐ Scum

☐ Glob

Algae Distribution

☒ Surface-Entire

☐ Surf-Localized

☒ Surf-Windblown

☒ Suspended

☐ Benthic

☐ Epiphytic

Parameter Suite

Parameter Methods

Preservation

pH Check

#Bottles Sent to Lab

Bottle Group

Algae (PT-50mL)

☐ ALGAL-ID

☒ BLOOM-ID

☒ Ice

1

B

Chlorophyll (BP-1L)

☒ CHLSUITE-W

☒ Ice

1

A

Toxins (P-125/BG-250)

☒ W-MCYST-AA

☒ W-SAXTN-MS

☐ OV-TOXN

☒ Ice

1

B

Physical/Aggregate

☒ W-COLOR

☒ Ice

1

B

☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP

☒ Ice

☒ H2SO4

☒ <2

1

B

Preserved Nutrients (500mL HDPE)

SA3013020

01/25/2024

Acid Lot:

Exp:

Filtered Nutrients (P125mL)

☒ W-PO4-F

☒ Field Filtered 0.45µm Filter

Filter Lot # 17589311

☒ Ice

1

B

Quantitative Algae

☐ DTY-QN-C / PKD-QN-C

☐ Ice

☐ Lugols

Relinquished By:

Date/Time

Number of Coolers Shipped

Received By:

Date/Time

amantha Gelinas 08/22/2023 08:46

2

TL

8/23/23 @ 09:16

Date of Request: 06-JUL-2023  
 Created By: BARRINGT\_J On: 06-JUL-2023  
 Modified By: JASROTIA\_P On: 06-JUL-2023  
 Customer: SO-DIST  
 Project: BLOOM-RESP  
 Division:  
 District: South District  
 Event Description: Algal Bloom Response -SOROC

**Send Coolers To:**

Phone: 239-332-6975 SC 748-6975  
 FLDEP South District Office  
 2295 Victoria Ave. Suite 314  
 Fort Myers, FL 33901-3381  
 Attn: John Barrington  
 Cooler Ship EMail: john.barrington@floridadep.gov

Priority: 1  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 06-JUL-2023  
 Biology Request Reviewed By: JASROTIA\_P On: 06-JUL-2023  
 Sampling Kit Required: YES Ship on: 12-JUL-2023  
 Sampling Kit Shipped: YES On: 10-JUL-2023  
 Sampling Kit Packed By: LEBRUN\_T  
 Preservatives Needed: YES  
 Date to Receive Samples: 17-JUL-2023  
 Logged In By: LEBRUN\_T On: 23-AUG-2023

**Send Final Report To:**

FLDEP South District Office  
 2295 Victoria Ave. Suite 314  
 Fort Myers, FL 33901-3381  
 Attn: John Barrington  
 Report Notification EMail:  
 Cheryl.Swanson@dep.state.fl.us;Nicole.Reistad@floridadep.gov;  
 John.Barrington@floridadep.gov;Gary.Snorek@dep.state.fl.us;Th  
 omas.Baker@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 toxins, nutrients, chlorophyll, color

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 ship with minimum of 2 coolers

**Bottle Group A (Biological) With 8 Samples:**

Bottle Type: PT-50ML Number of Bottles: 8 Preserved With: ICE  
 BLOOM-ID Template: DEFAULT (SOP-AB18) Assessment of dominant algal taxa in bloom or mat sample

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

Bottle Type: BP-1L Number of Bottles: 8 Preserved With: ICE  
 CHLSUITE-W Template: DEFAULT (SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Bottle Type: P-250ML Number of Bottles: 8 Preserved With: ICE  
 W-COLOR Template: DEFAULT (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)  
 Color (true)

Bottle Type: P-125ML Number of Bottles: 8 Preserved With: ICE  
 W-MCYST-AA Template: DEFAULT (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS  
 W-SAXTN-MS Template: DEFAULT (EPA 8321B) Saxitoxin in water matrices by HPLC/MS/MS

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  
 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 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

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