

Login Checklist

RQ- 2022-03-14-55

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 03/ 9 /22 @ 10: 40

*Cooler Temperature	Samples Frozen?	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
0.4				15		X			5225 5543 1061

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 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 ✓ 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 X Init: rk

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 ✓ No ✓ NA _____ Init: rk

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

Yes _____ No _____ NA _____ Init: rk

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# 9288

Coolers Unpacked/Checked by: rk

Date: 03/ 9 /22

Event contains NCRs (Y/N)? Y 9288

Event: Algal Bloom Response- NEROC
WQAP-2022-03-09-02 (BLOOM-RESP)

Date Received: 09-MAR-2022 10:40

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	#4 Temp Gun EXP:10/19/2022
pH Test Strips 0 – 6	223819AV EXP:08/30/2023
pH Paper 0 – 3	N/A
pH Paper 0 – 13	207621 EXP:03/15/2024
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: _____

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: Bruce

RQ- 2021-12-06-30

Project: Orange Lake McIntosh

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 2/3/22

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	K. Villinger	3/8/22	749	21.2	762.5	8.9	—	100.3	—	1.0296	P/F	L/F
ICV	↓	↓	751	21.1	762.5	8.9	8.92	100.3	—	1.0296	P/F	L/F
CCV	↓	↓	1635	21.4	759.2	8.8	8.83	99.9	—	1.0286	P/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	K. Villinger	3/8/22	753	210917B	9/22	1000	1000	P/F	L/F
ICV	↓	↓	756	210426A	5/22	100	102.2	P/F	L/F
CCV	↓	↓	1636	211122B	12/22	1415	1412	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	K. Villinger	3/8/22	758	2112B19	12/23	7.01	21.5	7.01	-15.1	P/F	L/F
Calibr.	↓	↓	801	2201088	1/24	4.00	21.6	4.00	-14.2	P/F	L/F
Calibr.	↓	↓	804	2202A63	7/23	10.03	21.6	10.03	-185.4	P/F	L/F
ICV	↓	↓	804	2112B19	12/23	7.01	21.5	7.01	-14.0	P/F	L/F
CCV	↓	↓	1638	2201088	1/24	4.00	21.4	4.03	-159.5	P/F	L/F
CCV	↓	↓	1640	2202A63	7/23	10.03	21.5	10.01	-185.1	P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50;

mV pH 4 Range +180 ± 50;

mV pH 10 Range -180 ± 50;

If mV are recorded: slope from 7 to 10 170.3, slope from 4 to 7 176.3 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 2/3/22

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	K. Villinger	3/8/22	805	0.000	0.000	P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Cyanobacteria Bloom Response Field Data Sheet

RQ-2022-03-14-55

RQ-2021 ~~12-06-36~~ (K)

Customer

WQAP

Project ID:

BLOOM_RESP

Field ID:

WIN ID/Field ID:



NEHAB0065

Orange lake-McIntosh Bay

Collected By:

K. Villinger, B. Davis

Field Report

Prepared By:

Katrin Villinger

Sampling Agency:

FDEP

Comments:

Bloom suspended in highly populated hydroid Mats.

Collection

Equipment:

Pole, Ortho #3, Bruce (Meter ID)

Coordinates:

29.4360, -82.1919

Matrix:

Fresh

Grab

Tide:

☐ Rising ☐ Falling ☐ Slack

☒ N/A

High Tide Time:

Low Tide Time:

Water Quality

Date	Time ☒ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTH)	Secchi Disk (m)	Total Depth (m)
3/8/22	1245	9.78	109.4	22.8	9.36	0.3	87.6	0.04	0.6	268
1235		3.9	38	15.7	5.90	2.18	104.6	0.05		

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:

Algae Distribution

☒ Suspended in water column

☐ On surface

☐ Other:

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

Filtered Nutrients
(P125mL)

☒ W-PO4-F

☐ Field Filtered 0.45um Filter

☐ 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

Katrin Villinger

3/8/22
1630

1

Cyanobacteria Bloom Response Field Data Sheet

RQ-03-14-55

RQ-2021-12-06-30 (K)

Customer: WQAP
Project ID: BLOOM_RESP

Collected By:

Field Report Prepared By:

Sampling Agency:

K. Villinger B. Davis
Katrin Villinger

FDEP

WIN ID/Field ID:



NEHAB0068

McIntosh Bay West of Bird Island

Comments: Bloom suspended in highly populated hydroids mats.

Matrix: Fresh

(Grab)

Collection Equipment: Pole, Bruce (Water ID), ortho #3
Coordinates: 29.4350, -82.2028

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

High Tide Time:

Low Tide Time:

Water Quality										
Date	Time ☒ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPT)	Secchi Disk (m)	Total Depth (m)
3/8/22	1335	9.24	109.6	24.4	8.34	0.3	82.1	0.04	1.6	2.235
	1333	1.15	12.3	18.1	6.40	1.735	88.1	0.04		

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: _____	
Algae Distribution	☒ Suspended in water column		☐ On surface	☐ Other: _____	
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
Filtered Nutrients (P125mL)	Lot: SA1105060 ☒ W-PO4-F ☒ Field Filtered 0.45um Filter	Exp: 4/30/22 ☐ Ice	☒ <2	1	B
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice ☐ Lugols			

Relinquished By:

Date/Time

Number of Coolers Shipped

Received By:

Date/Time

Katrin Villinger 3/8/22
1630

1

Cyanobacteria Bloom Response Field Data Sheet

RQ-2022-03-14-55

RQ-2021-12-06-30 (EW)

Customer: WQAP

Project ID: BLOOM_RESP

Field ID:

WIN ID/Field ID:



NEHAB0067

Mcintosh Bay South of small Islands

Collected By:

K. Villinger, B. Davis

Field Report

Prepared By:

Katrin Villinger

Sampling Agency:

FDEP

Comments: Bloom suspended in highly populated Hydrilla mats.

Matrix: Fresh

Grab

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

High Tide Time:

Low Tide Time:

Collection Equipment:

Pole, Ortho #3, Bruce (Water ID)

Coordinates:

29.4724, -82.1915

Date	Time ☒ EST ☐ CEN	Water Quality								
		D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTH)	Secchi Disk (m)	Total Depth (m)
3/8/22	1315	8.25	95.4	23.0	8.30	0.3	85.6 (EW) 8.02	0.04		
	1313	1.9 (EW) 1.9	0.19	17.6	6.29	2.003	93.5	0.04	0.75	2503

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: _____

Algae Distribution

☒ Suspended in water column

☐ On surface

☐ Other: _____

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

Filtered Nutrients
(P125mL)

☒ W-PO4-F

☒ Field Filtered 0.45um Filter

☒ 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

Katrin Villinger 3/8/22

1630

1

Date of Request: 08-MAR-2022
 Created By: PARRISH_J On: 08-MAR-2022
 Modified By: JASROTIA_P On: 09-MAR-2022
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District:
 Event Description: Algal Bloom Response- NEROC

Send Coolers To:

Phone: 904-256-1700
 8800 Baymeadows Way West

 Jacksonville, FL 32256
 Attn: Jeremy Parrish
 Cooler Ship Email: Jeremy.M.Parrish@dep.state.fl.us

Priority: 1
 Event Status: A
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 09-MAR-2022
 Biology Request Reviewed By: JASROTIA_P On: 09-MAR-2022
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped:
 Sampling Kit Packed By:
 Preservatives Needed: NO
 Date to Receive Samples: 14-MAR-2022
 Logged In By:

Send Final Report To:

8800 Baymeadows Way West

 Jacksonville, FL 32256
 Attn: Jeremy Parrish
 Report Notification Email:
 Jeremy.M.Parrish@dep.state.fl.us; Brian.G.Davis@floridadep.gov
 ;Amelia.Rankin@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, and 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 3 Samples:

Bottle Type: PT-50ML	Number of Bottles: 3	Preserved With: ICE
BLOOM-ID	Template: DEFAULT	(SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 3 Samples:

Bottle Type: BP-1L	Number of Bottles: 3	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: 3	Preserved With: ICE
W-MCYST-AA	Template:	(EPA 8321B) Microcystins in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 3	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: 3	Preserved With: FILTER-ICE

Bottle Group B (Water) With 3 Samples:

Bottle Type: P-125ML

Number of Bottles: 3

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.