Login Checklist

RQ-2021-10-11-60 [redacted]

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 12/ 29 /21 @ 9:55

*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	
4.1				5		X			5225 5541 6031

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: ZR

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: ZR

**W-1-4-DIOX *(Green dot on container)* preserved to pH<4.0? Yes____ No____ NA X Init: ZR

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

Coolers Unpacked/Checked by: ZR **Date:** 12/ 29 /21 **Event contains NCRs (Y/N)?** N

Event ID: Algal Bloom Response [illegible]
WQAP-2021-12-29-05 (BLOOM-RESP)
Date Received: 29-DEC-2021 09:55

Login Checklist

Login Preservation Equipment	Lot # & Exp: Date
Infrared Thermometer ID:	#4 Temp Gun EXP:10/19/2022
pH Test Strips 0 – 6	N/A
pH Paper 0 – 3	N/A
pH Paper 0 – 13	210620 EXP:04/15/2023
Chlorine Test Strips	0261 EXP:05/2023

Additional Comments:

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_____

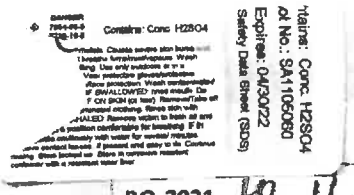
If no, were samples shipped on dry ice? Yes_____ No_____

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

RQ-2021- 12-11-60		Collected By:	JPansh / BPansl / KAppleby
Customer	NERRC ZIFLA	Field Report Prepared By:	J Pansh
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP NERRC

WIN ID/Field ID: NEHAB0007

St. Johns River at Beechers Point

Comments: Rubio & Rocky Maintenance collected w/in 200 meters of WIN site
Riverbed condos@bellsouth.net

Collection Equipment: Pole, Bottle

Matrix: SW Fresh (Grab)

Coordinates: 29.466300, -81.685230

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)
12/28/21	1035	8.87	95.9	18.9	~~7.89~~ 7.89	0.3	911	0.45	0.6	1.2

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: None
Algae Distribution	☐ Suspended in water column		☐ On surface	☒ Other: None seen
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
	Lot SA11050560	Exp: 4/30/22	☒ <2	1	
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
JPansh	12/28/21	1		

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

2021-09-20-184 Mccassin SCI+

Meter ID: Dosi RQ- 2021-10-11-60 Project: Algae Bloom Response

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

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 11/10/21

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.	Kim Appleby	12/28/21	804	17.5	762.1	9.6	—	100.3	—	1.062	(P) F	(L) F
ICV	↓	↓	806	17.5	762.2	9.6	9.68	100.4	—	1.062	(P) F	(L) F
CCV	↓	↓	1619	21.8	760.1	8.8	8.741	99.5	—	1.062	(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.	Kim Appleby	12/28/21	808	210917B	9/2022	1000	1000	(P) F	(L) F
ICV	↓	↓	810	210426A	5/2022	100	103.0	(P) F	(L) F
CCV	↓	↓	1621	211122B	12/2022	1413	1417	(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.	Kim Appleby	12/28/21	813	2109M25	9/2023	7.03	18.0	7.03	-28.7	(P) F	(L) F
Calibr.	↓	↓	815	2108F51	8/2023	4.00	18.0	4.00	152.2	(P) F	(L) F
Calibr.	↓	↓	816	2108M37	2/2023	10.07	18.1	10.07	-195.6	(P) F	(L) F
ICV	↓	↓	819	2109M25	9/2023	7.03	18.0	7.06	-24.7	(P) F	(L) F
CCV	↓	↓	1622	2108F51	8/2023	4.00	19.1	4.03	150.0	(P) F	(L) F
CCV	↓	↓	1623	2108H37	2/2023	10.06	18.9	10.03	-195.8	(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 10 166.9, slope from 4 to 7 180.9 (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: 11/10/21
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	Kim Appleby	12/28/21	820	0.00	0.00	(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:

Form effective August 1, 2018

RQ-2021-10-11-60

Date of Request: 28-SEP-2021
Created By: PARRISH_J On: 28-SEP-2021
Modified By: JASROTIA_P On: 28-SEP-2021
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: R
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 28-SEP-2021
Biology Request Reviewed By: JASROTIA_P On: 28-SEP-2021
Sampling Kit Required: YES Ship on: 01-OCT-2021
Sampling Kit Shipped: YES On: 01-OCT-2021
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: NO
Date to Receive Samples: 11-OCT-2021
Logged In By: SHAIK_A On: 05-NOV-2021

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

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

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
Bottle Type: BG-250ML-WDMTH Number of Bottles: 8 Preserved With: ICE
W-MCYST-AA Template: (EPA 8321B) Microcystins 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.