

Login Checklist

RQ-2021-09-06-43

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 9/ 24 121 @ 9:24

*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	
0.5				15		✓			5225 5539 5496
1.1				10		✓			5225 5539 5485

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: KK

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: KK

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

Yes _____ No _____ NA ✓ Init: KK

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

Coolers Unpacked/Checked by: KK

Date: 9/ 24 121

Event contains NCRs (Y/N)? N

Event ID:

Algal Bloom Response- NEROC
WQAP-2021-09-24-01 (BLOOM-RESP)
Date Received: 24-SEP-2021 09:24

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #5 EXP:10-28-21
pH Test Strips 0 – 6	Lot#210620 EXP:4-15-23
pH Paper 0 – 3	
pH Paper 0 – 13	Lot#210620 EXP:4-15-23
Chlorine Test Strips	Lot#0261 EXP:5-23

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: Desi

RQ-09-06-13

Project: Algae Response

- 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 8/16

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.	Brian Davis	9/23/21	756	21.1	758.4	8.9	8.9	99.8	✓	1.07	(P) F	(L) F
ICV	↓	↓	757	21.1	758.5	8.9	8.87	99.7	✓	1.07	(P) F	(L) F
CCV	Kim Appleby	↓	1704	22.8	758.0	8.6	8.58	99.7	-	1.07	(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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Brian Davis	9/23/21	736	210426B	5/22	1000	1000	(P) F	(L) F
ICV	↓	↓	739	210426D	5/22	20,000	19518	(P) F	(L) F
CCV	Kim Appleby	↓	1707	210426A	5/22	100	103.3	(P) F	(L) F
CCV	↓	↓	1707	210426L	5/22	1413	1421	(P) F	(L) F

Conductivity Acceptance criteria $\pm 5\%$

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.	Brian Davis	9/23/21	745	210426B	4/23	7.02	21.0	7.02	-18.1	(P) F	(L) F
Calibr.	↓	↓	747	2107640	7/23	4.00	21.5	4.00	160.3	(P) F	(L) F
Calibr.	↓	↓	752	2107A04	12/22	10.04	21.3	10.04	-191.1	(P) F	(L) F
ICV	↓	↓	754	210426B	4/23	7.02	21.2	7.06	-18.7	(P) F	(L) F
CCV	Kim Appleby	↓	1715	2107640	7/23	4.00	21.8	4.14	151.5	(P) F	(L) F
CCV										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 _____, slope from 4 to 7 _____ (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: 8/18

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	Brian Davis	9/23/21	759	0.00	0.00	(P) F	(L) F

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

COMMENTS:

KK / 9.24.21 / 0924

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021- 09-06-43		Collected By:	Brian Davis, Ashlen W.	
Customer	WQAP	Field Report Prepared By:	Ashlen Ward	
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP	

WIN ID/Field ID:  NEHAB0036

Lions Club Boat Ramp

Comments:

Matrix:	Marine	Grab	Collection Equipment:	ortho #7
Tide:	☒ Rising ☐ Falling ☐ Slack ☐ N/A	Coordinates:	30.78413, -87.62128	
High Tide Time:		12:07	Low Tide Time: 6:29	

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)
9/23/21	9:54 am	6.61	84.5	28.0	7.64	0.3	5,644	3.04	0.5	1.65
	9:56 am	6.49	84.2	28.0	7.63	1.15	5,739	3.09		

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
	Lot: _____ Exp: _____		☐ <2		
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
Ash Ward	9/23/21 / 16:00	2		

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021-09-06-43		Collected By:	Brian D. Ashler W.							
Customer	LQAP	Field Report Prepared By:	Brian D. Ashler W.							
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP							
Field ID:		Comments:								
WIN ID/Field ID:		Collection Equipment:								
COJ St Johns Marina		Outbo #7								
Matrix:	Fresh	Grab	Coordinates: 30.319900, -81.661640							
Tide:	☒ Rising ☐ Falling ☐ Slack ☐ N/A	High Tide Time:	1236	Low Tide Time: 649						
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)
9/23/21	1055	6.68	84.7	28.0	7.82	0.3	1425	0.71	0.5	1.15
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						
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C		☐ Ice ☐ Lugols							
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:	Date/Time					
B-D	9/23/21 1600	2								

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021- 09-06-43		Collected By:	Brian D. Ashler W	
Customer	WQAP	Field Report Prepared By:	Brian D. Ashler	
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP	

WIN ID/Field ID: 

NEHAB0038

Canal to Marco Lake

Comments:

Matrix:	Fresh	☒ Grab	Collection Equipment:	O-760 #7
Tide:	☐ Rising ☐ Falling ☐ Slack ☐ N/A	Coordinates:	{0.101420, -81.657990}	
		High Tide Time:	1216	Low Tide Time: 649

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)
9/23/21	1122	7.36	94.2	28.0	7.90	0.3	1091	0.54	0.4	1.39

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: <u>Algae</u>

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: SA1105060	Exp: 4/30/22	☒ <2		
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
B-D.	9/23/21 1600	2		

①

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021- 09-06-43		Collected By:		Brian Davis, Ashlen Ward							
Customer		WQAP		Field Report							
Project ID:		BLOOM_RESP		Prepared By:							
Field ID:		Sampling Agency:		FDEP							
WIN ID/Field ID:				Comments:							
Mouth of Craig Creek				Collection Equipment:							
Matrix: fresh				Coordinates: 30.295750, -81.652670							
Tide: ☒ Rising ☐ Falling ☐ Slack ☐ N/A				High Tide Time: 6:49 Low Tide Time: 12:36							
Water Quality											
Date	Time	D.O.	D.O. (%)	Temp	pH	Sample	Cond.	Salinity	Secchi Disk	Total	
	☐ EST ☐ CEN	(mg/L)		°C	(SU)	Depth (m)	(umho/cm)	(PPTH)	(m)	Depth (m)	
9/23/21	11:39	7.27	91.6	27.5	7.73	0.3 m	1,245	0.62	0.30	0.938	
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-SOML)		☒ 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 5A0358110		Exp: 1/11/2022		☐ <2					
Quantitative Algae		☒ W-PO4-F ☒ Field Filtered 0.45um Filter ☒ Ice						1		B	
		☐ DTY-QN-C / PKD-QN-C		☐ Ice ☐ Lugols							
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time			
Ashlen Ward		9/23/21/16:00									

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021-09-06-43		Collected By:	Boris D. Ashley W.							
Customer	WQAA	Field Report Prepared By:	Boris D.							
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP							
WIN ID/Field ID:  NEHAB0040		Comments:								
Mouth of Goodby's Creek		Collection Equipment:	Outh # 7							
Matrix:	Fresh	Grab	Coordinates: 30.216090, -81.622400							
Tide:	☒ Rising ☐ Falling ☐ Slack ☐ N/A	High Tide Time:	1337	Low Tide Time: 759						
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)
9/23/21	1354	7.60	98.6	28.7	7.8	0.3	785	0.38	0.8	1.19
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					
B-D	9/23/21 1600	2								

Date of Request: 17-AUG-2021
 Created By: PARRISH_J On: 17-AUG-2021
 Modified By: JASROTIA_P On: 18-AUG-2021
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District:
 Event Description: Algal Bloom Response- NERO

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: 17-AUG-2021
 Biology Request Reviewed By: JASROTIA_P On: 18-AUG-2021
 Sampling Kit Required: YES Ship on: 27-AUG-2021
 Sampling Kit Shipped: YES On: 23-AUG-2021
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 06-SEP-2021
 Logged In By: REYNOLDS_T On: 21-SEP-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.Davis@floridadep.gov; A
 melia.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 5 Samples:

Bottle Type: PT-50ML Number of Bottles: 5 Preserved With: ICE
 BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 5 Samples:

Bottle Type: BP-1L Number of Bottles: 5 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: 5 Preserved With: ICE
 W-MCYST-AA Template: (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS

Bottle Type: P-500ML Number of Bottles: 5 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: 5 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.