

Login Checklist

RQ- 2024-03-04-71

Login Station ID: #1

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 03/ 29 /24 @ 9:25

*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				18		✓			7281 6629 0355

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: HK

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: HK

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

Yes _____ No _____ NA ✓ Init: HK

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

Coolers Unpacked/Checked by: HK

Date: 03/ 29 /24 Event contains NCRs (Y/N)? N

Algal Bloom Response - SE ROC
Event ID: SE-DIST-2024-03-29-01 (BLOOM-RESP)

Date Received: 29-MAR-2024 09:25

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #1 Exp:10/16/2024
pH Test Strips 0 – 6	Lot#223819BV Exp:8/15/24
pH Paper 0 – 3	
pH Paper 0 – 13	Lot# 228323 Exp:10/01/26
Chlorine Test Strips	Lot#3180A Exp:4/26

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

RQ - 2024-03-04-71		Collected By:		Andrew Lueling, Jordan Skaggs						
Customer: SE-DIST		Field Report Prepared By:		Andrew Lueling						
Project ID: BLOOM_RESP		Sampling Agency:		SEROC						
Location: St. Lucie River - Seagate Harbor Boat Ramp				Comments:						
Field ID: SEHAB0114				Coordinates: 27.20482, -80.27372						
WIN Secondary Resource Type: Estuary				Collection Equip: WaterBottle						
WIN ID: SEHAB0114				High Tide Time: Low Tide Time:						
Matrix: Marine		Grab		Tide: ☐ Rising ☐ Falling ☐ Slack ☐ N/A						
Water Quality										
Date	Time ☒ EST ☐ CEN	D.O. (%)	D.O. (mg/L)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond. (µmho/cm)	Salinity (PPT)
03/28/2024	10:30	85	6.87	24.2	7.77	0.3	0.77	0.77	9854	5.54
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	A
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	C
Toxins (P-125/BG-250)		☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN				☒ Ice			1	B
Physical/Aggregate		☒ W-COLOR				☒ Ice			1	C
Preserved Nutrients (500mL HDPE)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP SA3340020 Acid Lot: Exp:				☒ Ice ☒ H2SO4		☒ <2	1	C
Filtered Nutrients (P125mL)		☒ W-PO4-F ☒ Field Filtered 0.45µm Filter Filter Lot # 17347262				☒ Ice			1	C
Quantitative Algae		☐ DTY-QN-C / PKD-QN-C				☐ Ice ☐ Lugols				
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
Andrew Lueling		03/28/2024 16:00		1		KK		3.29.24 / 0925		



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

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

RQ - 2024-03-04-71		Collected By:		Andrew Lueling, Jordan Skaggs						
Customer: SE-DIST		Field Report Prepared By:		Andrew Lueling						
Project ID: BLOOM_RESP		Sampling Agency:		SEROC						
Location: St. Lucie River - Harborage			Comments:							
Field ID: SEHAB0115			Coordinates: 27.21148, -80.25959							
WIN Secondary Resource Type: Estuary			Collection Equip: WaterBottle							
WIN ID: SEHAB0115			High Tide Time:		Low Tide Time:					
Matrix: Marine		Grab	Tide: ☐ Rising ☐ Falling ☐ Slack ☐ N/A							
Water Quality										
Date	Time ☒ EST ☐ CEN	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)
03/28/2024	11:30	95.7	7.74	24.8	7.91	0.2	0.4	0.4	7761	4.29
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	A	
Chlorophyll (BP-1L)		☒ CHLSUITE-W			☒ Ice			1	C	
Toxins (P-125/BG-250)		☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN			☒ Ice			1	B	
Physical/Aggregate		☒ W-COLOR			☒ Ice			1	C	
Preserved Nutrients (500mL HDPE)		W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP SA3340020 Acid Lot: Exp:			☒ Ice ☒ H2SO4		☒ <2	1	C	
Filtered Nutrients (P125mL)		☒ W-PO4-F ☒ Field Filtered 0.45µm Filter Filter Lot # 17347262			☒ Ice			1	C	
Quantitative Algae		☐ DTY-QN-C / PKD-QN-C			☐ Ice ☐ Lugols					
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
Andrew Lueling		03/28/2024 16:00		1		HK		3.29.24 / 0925		



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

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

RQ - 2024-03-04-71		Collected By:		Andrew Luering, Jordan Skaggs						
Customer: SE-DIST		Field Report Prepared By:		Andrew Luering						
Project ID: BLOOM_RESP		Sampling Agency:		SEROC						
Location: St. Lucie Canal - Army Corp Campground				Comments:						
Field ID: SEHAB0116				Coordinates: 27.11013, -80.28569						
WIN Secondary Resource Type: Canal				Collection Equip: WaterBottle						
WIN ID: SEHAB0116				High Tide Time: Low Tide Time:						
Matrix: Fresh		Grab		Tide: ☐ Rising ☐ Falling ☐ Slack ☐ N/A						
Water Quality										
Date	Time ☒ EST ☐ CEN	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)
03/28/2024	13:00	88.6	7.36	24.6	7.96	0.3	0.6	0.1	440.2	0.21
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	A
Chlorophyll (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	C
Toxins (P-125/BG-250)		☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN				☒ Ice			1	B
Physical/Aggregate		☒ W-COLOR				☒ Ice			1	C
Preserved Nutrients (500mL HDPE)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP SA3340020 Acid Lot: Exp:				☒ Ice ☒ H2SO4		☒ <2	1	C
Filtered Nutrients (P125mL)		☒ W-PO4-F ☒ Field Filtered 0.45um Filter Filter Lot # 17347262				☒ Ice			1	C
Quantitative Algae		☐ DTY-QN-C / PKD-QN-C				☐ Ice ☐ Lugols				
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
Andrew Luering		03/28/2024 16:00		1		VK		3-29-24 / 0925		

Date of Request: 20-FEB-2024
Created By: SKAGGS_J On: 20-FEB-2024
Modified By: JASROTIA_P On: 21-FEB-2024
Customer: SE-DIST
Project: BLOOM-RESP
Division:
District: Southeast District
Event Description: Algal Bloom Response - SE ROC

Send Coolers To:

Phone: (772) 380-5572
FL Dept. of Environmental Protection
2199 South Rock Road
Fort Pierce, FL 34945
Attn: Jordan Skaggs
Cooler Ship EMail: jordan.skaggs@floridadep.gov

Priority: 1
Event Status: R
Criminal Investigation: NO
Chemistry Request Reviewed By: AYRES_J On: 20-FEB-2024
Biology Request Reviewed By: JASROTIA_P On: 21-FEB-2024
Sampling Kit Required: YES Ship on: 28-FEB-2024
Sampling Kit Shipped: YES On: 26-FEB-2024
Sampling Kit Packed By: PENDLETO_C
Preservatives Needed: NO
Date to Receive Samples: 08-MAR-2024
Logged In By: KLUG_K On: 29-MAR-2024

Send Final Report To:

FL Dept. of Environmental Protection
2199 South Rock Road
Fort Pierce, FL 34945
Attn: Andrew Luering
Report Notification EMail:
jordan.skaggs@floridadep.gov;andrew.luering@floridadep.gov

Comments: PACKING NOTES:

Bottle Groups A, B, C - Ship LABELS ONLY for 8 sites.
For the rest (10 sites) ship a normal. (Bottles & labels)

**Please send:
-4 full-size coolers
-4 extra Fedex labels

LOG-IN STAFF: Please print two copies of algal job labels at login.

Bottle Group A - Priority 1 for algal dominant taxon.
Bottle Group B - Priority 1 for toxin testing.
Bottle Group C - Priority 3 (nutrients); Priority 4 (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.

Bottle Group A (Biological) With 18 Samples:

Bottle Type: PT-50ML Number of Bottles: 18 Preserved With: ICE
BLOOM-ID Template: DEFAULT (SOP-AB18) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 18 Samples:

Bottle Type: P-125ML Number of Bottles: 18 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 Group C (Water) With 18 Samples:

Bottle Type: BP-1L Number of Bottles: 18 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: 18 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 Group C (Water) With 18 Samples:

Bottle Type: P-500ML		Number of Bottles: 18	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: 18	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.