

Login Checklist

RQ- 2024 - 04 - 15 - 68

Login Station ID: # 2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 05/23/2024 / 08:45

*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	
0.7C				10		X			7281 6630 5351
1.8C				15		X			6484 8457 7363

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: ABS

Chlorine detected? (One container checked per Field ID)

Yes _____ No _____ Init: ABS

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: ABS

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

Yes _____ No _____ NA X Init: ABS

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

Coolers Unpacked/Checked by: ABS /

Date: 05/23/2024

Event contains NCRs(Y/N)? N

Event ID: SE - DIST - 2024 - 05 - 23 - 01

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IRTG#2 EXP:10/16/24
pH Test Strips 0 – 6	LOT#223819BVEXP8/15/24
pH Paper 0 – 3	N/A
pH Paper 0 – 13	LOT228323/EXP:10/1/26
Chlorine Test Strips	3180A 2026/04

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ Init: ABS

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 - RQ-2024-04-15-68		Collected By:		Natalie Howard, Drew Liddick						
Customer:		Field Report Prepared By:		Natalie Howard						
Project ID: BLOOM_RESP		Sampling Agency:		SEROC						
Location: Lake Okeechobee - S308C (lakeside)				Comments:						
Field ID: SEHAB0062				Coordinates: 26.98473, -80.62159						
WIN Secondary Resource Type: Lake				Collection Equip: WaterBottle						
WIN ID: SEHAB0062				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 (PPT)
05/22/2024	10:55	85.6	6.46	29.8	8.06	0.3	3.5	0.2	447.2	0.21
	10:57	83.1	6.32	29.7	8	3			446.1	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				
Preserved Nutrients (500mL HDPE)		SA3340020 Acid Lot: Exp:				☒ Ice ☒ H2SO4 ☒ <2			1	C
Filtered Nutrients (P125mL)		☐ W-PO4-F ☐ Field Filtered 0.45µm Filter Filter Lot #				☐ Ice				
Quantitative Algae		☐ DTY-QN-C / PKD-QN-C				☐ Ice ☐ Lugols				
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
		05/22/2024 16:00		2		A.SHAIK		05/23/2024 / 08:45		



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RQ - RQ-2024-04-15-68		Collected By:		Natalie Howard, Drew Liddick						
Customer:		Field Report Prepared By:		Natalie Howard						
Project ID: BLOOM_RESP		Sampling Agency:		SEROC						
Location: C44 canal - S308C (canal side)				Comments:						
Field ID: SEHAB0063				Coordinates: 26.98515, -80.6207						
WIN Secondary Resource Type: Canal				Collection Equip: WaterBottle						
WIN ID: SEHAB0063				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)
05/22/2024	11:00	66.4	5.11	29.6	7.68	0.3	2.8	0.2	459.6	0.22
	11:04	59.9	4.63	29.4	7.66	2.3			459.4	0.22
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				
Preserved Nutrients (500mL HDPE)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP				☒ Ice ☒ H2SO4 ☒ <2			1	C
		SA3340020				12/11/2024				
		Acid Lot:		Exp:						
Filtered Nutrients (P125mL)		☐ W-PO4-F		☐ Field Filtered 0.45µm Filter		☐ Ice				
				Filter Lot #						
Quantitative Algae		☐ DTY-QN-C / PKD-QN-C				☐ Ice ☐ Lugols				
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
		05/22/2024 16:00		2		A.SHAIK		05/23/2024 / 08:45		



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RQ - RQ-2024-04-15-68		Collected By:		Natalie Howard, Drew Liddick						
Customer:		Field Report Prepared By:		Natalie Howard						
Project ID: BLOOM_RESP		Sampling Agency:		SEROCC						
Location: St. Lucie Canal - 96th Street Bridge			Comments:							
Field ID: SEHAB0111			Coordinates: 27.08805, -80.30251							
WIN Secondary Resource Type: Canal			Collection Equip: WaterBottle							
WIN ID: SEHAB0111			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 (PPT)
05/22/2024	12:10	87.6	6.65	29.4	7.82	0.15	0.3	0.3	792	0.38
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							
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP SA3340020		☒ Ice ☒ H2SO4	☒ <2	1	C				
	Acid Lot:		Exp:							
Filtered Nutrients (P125mL)	☐ W-PO4-F		☐ Field Filtered 0.45µm Filter	☐ Ice						
	Filter Lot #									
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C		☐ Ice	☐ Lugols						
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:	Date/Time					
	05/22/2024 16:00	2		A.SHAIK	05/23/2024 / 08:45					



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

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RQ - RQ-2024-04-15-68		Collected By:		Natalie Howard, Drew Liddick						
Customer:		Field Report Prepared By:		Natalie Howard						
Project ID: BLOOM_RESP		Sampling Agency:		SEROC						
Location: St. Lucie River - at Four Rivers			Comments:							
Field ID: SEHAB0112			Coordinates: 27.13947, -80.26252							
WIN Secondary Resource Type: Estuary			Collection Equip: WaterBottle							
WIN ID: SEHAB0112			High Tide Time: 10:40		Low Tide Time: 17:47					
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)
05/22/2024	13:00	94.6	6.58	30.7	7.57	0.3	0.8	0.8	23442	14.07
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						
Preserved Nutrients (500mL HDPE)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☒ Ice ☒ H2SO4 ☒ <2				1		C
		SA3440020		12/11/2024						
		Acid Lot:		Exp:						
Filtered Nutrients (P125mL)		☐ W-PO4-F		☐ Field Filtered 0.45um Filter		☐ Ice				
				Filter Lot #						
Quantitative Algae		☐ DTY-QN-C / PKD-QN-C		☐ Ice ☐ Lugols						
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
		05/22/2024 16:00		2		A.SHAIK		05/23/2024 / 08:45		



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RQ - RQ-2024-04-15-68		Collected By:		Natalie Howard, Drew Liddick						
Customer:		Field Report Prepared By:		Natalie Howard						
Project ID: BLOOM_RESP		Sampling Agency:		SEROC						
Location: St. Lucie River - at Palm City Bridge				Comments:						
Field ID: SEHAB0113				Coordinates: 27.17285, -80.26425						
WIN Secondary Resource Type: Estuary				Collection Equip: WaterBottle						
WIN ID: SEHAB0113				High Tide Time: 10:40 Low Tide Time: 17:47						
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 _h)
05/22/2024	13:15	105.2	6.93	31.2	7.72	0.25	0.5	0.5	34769	21.73
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						
Preserved Nutrients (500mL HDPE)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP SA3340020		☒ Ice ☒ H2SO4		☒ <2		1		C
		Acid Lot:		Exp:						
Filtered Nutrients (P125mL)		☐ W-PO4-F		☐ Field Filtered 0.45um Filter		☐ Ice				
				Filter Lot #						
Quantitative Algae		☐ DTY-QN-C / PKD-QN-C		☐ Ice ☐ Lugols						
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
		05/22/2024 16:00		2		A.SHAIK		05/23/2024 / 08:45		

Date of Request: 15-APR-2024
Created By: SKAGGS_J On: 15-APR-2024
Modified By: AYRES_J On: 15-APR-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: 15-APR-2024
Biology Request Reviewed By: AYRES_J On: 15-APR-2024
Sampling Kit Required: YES Ship on: 17-APR-2024
Sampling Kit Shipped: YES On: 16-APR-2024
Sampling Kit Packed By: PENDLETO_C
Preservatives Needed: NO
Date to Receive Samples: 23-APR-2024
Logged In By: SHAIK_A On: 23-MAY-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:

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 5 Samples:

Bottle Type: PT-50ML Number of Bottles: 5 Preserved With: ICE
BLOOM-ID Template: DEFAULT (SOP-AB18) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 5 Samples:

Bottle Type: P-125ML Number of Bottles: 5 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 5 Samples:

Bottle Type: BP-1L Number of Bottles: 5 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: 5 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-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.