

Login Checklist

RQ- **2021 - 08 - 02 - 13**

Login Station ID: **# 3**

Shipping Method: **FedEx** | UPS | HD | Greyhound

Date/Time of Receipt: **08-31-2021 / 09:50**

*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	
2.6c				20		X			9293 8016 3371

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: **08-31-2021**

Event contains NCRs (Y/N)? **n**

Event ID:

WQAP - 2021 - 08 - 31 - 01

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IRTG # 3 EXP:10/28/2021
pH Test Strips 0 – 6	Lot # 232518V EXP:NOV 30 2021
pH Paper 0 – 3	N/A
pH Paper 0 – 13	Lot # 231019 EXP:NOV 1 2022
Chlorine Test Strips	0261 2023 / 05

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# _____

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 (2019-12-16 v4)

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

RQ - 2021-08-02-13		Collected By: <u>Katie March, Liz Bates</u>	
Customer: <u>WQAP</u>	Field Report Prepared By: <u>Liz Bates</u>		
Project ID: <u>Bloom Resp</u>	Sampling Agency: <u>21 FL CEN</u>		
Location:		Comments: <u>night bloom persistent</u>	
Field ID: <u>HABCE0077_TroutLakeCanal</u>		Coordinates: <u>28.8640931, -81.6871352</u>	
Win ID: <u>HABCE0077</u>		Collection Equip: <u>pole, container, syringe</u>	
Trout Lake Canal - 35m from FL-19		High Tide Time: _____ Low Tide Time: _____	
WIN ID: _____	Matrix: <u>Fresh</u>	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)
<u>8/30/21</u>	<u>13:30</u>	<u>70.9</u>	<u>5.31</u>	<u>30.3</u>	<u>6.93</u>	<u>0.3</u>	<u>0.8</u>	<u>0.8</u>	<u>248.2</u>	<u>0.12</u>

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: _____ ☐ N/A	
Algae Distribution	☒ Suspended in water column		☐ On surface	☐ Other: _____ ☐ N/A	
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
	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☐ H2SO4 ☐ <2		1	B
Preserved Nutrients (500mL HDPE)	Acid Lot: <u>H2SO4 LOT# SA1105068 EXP: 04/30/2022</u>	Exp: _____			
Filtered Nutrients (P125mL)	☒ W-PO4-F ☐ Field Filtered 0.45µm Filter	☒ Ice		1	B
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice	Lugols? Y / N		

Relinquished By: <u>Bates</u>	Date/Time: <u>8/30/21 16:00</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>ABP</u>	Date/Time: <u>8/31/21 9:50</u>
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Cyanobacteria Bloom Response Field Data Sheet (2019-12-16 v4)

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RQ - 2021-08-02-13		Collected By: <i>W Bates, Katie March</i>								
Customer: <i>WQAP</i>	Field Report Prepared By: <i>W Bates</i>									
Project ID: <i>BLOOM RESP</i>	Sampling Agency: <i>ZIFLCEN</i>									
Location: Field ID: HABCE0081_DeadRiver Win ID: HABCE0081 Dead River - residential canal S of US 441		Comments: <i>Slight bloom still persistent</i>								
		Coordinates: <i>28.8140523, -81.7601309</i>								
		Collection Equip: <i>spring, container</i>								
WIN ID:		High Tide Time:	Low Tide Time:							
Matrix: <i>Fresh</i>	☒ 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 (PPTth)
<i>8/30/21</i>	<i>12:15</i>	<i>100.3</i>	<i>7.49</i>	<i>30.1</i>	<i>7.89</i>	<i>0.3</i>	<i>2.0</i>	<i>0.7</i>	<i>250</i>	<i>0.12</i>
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: _____	☐ N/A					
Algae Distribution	☒ Suspended in water column	☐ On surface	Other: _____	☐ N/A						
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		
	Acid Lot: <i>H2SO4 LOT# SA1105060 EXP: 04/30/2022</i>	Exp:								
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45µm Filter		☒ Ice		1	B			
	Filter Lot # <i>171355660</i>									
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C			☐ Ice	Lugols? Y / N					
Relinquished By: <i>E. Bates</i>	Date/Time: <i>8/30/21 16:00</i>	Number of Coolers Shipped: <i>1</i>		Received By: <i>MB</i>	Date/Time: <i>8.31.21 / 9:50</i>					



Cyanobacteria Bloom Response Field Data Sheet (2019-12-16 v4)

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

RQ - 2021-08-02-13		Collected By:	Katie March, Liz Bates							
Customer:	WQAP	Field Report Prepared By:	Liz Bates							
Project ID:	Bloom-Resp	Sampling Agency:	21FLCEN							
Field ID: HABCE0092_LakeEustis2 Win ID: HABCE0092 Lake Eustis - canal near Linda Lane		Comments: investigated new report: bloom present in lake @ canal as well as floating veg								
		Coordinates:	28.8421844 - 81.753987							
		Collection Equip:	syringe, container							
WIN ID:		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)
ab 8/30/21	12:00	70.8	5.45	28.9	7.42	0.3	0.9	1.4	279.0	0.13
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: _____	☐ N/A					
Algae Distribution	☒ Suspended in water column	☒ On surface	Other: _____	☐ N/A						
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		
	Acid Lot:	H2SO4 LOT# SA1105068 EXP: 04/30/2022		Exp:						
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45µm Filter		☒ Ice		1	B		
			Filter Lot # 17135360							
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C			☐ Ice	Lugols? Y / N					
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:		Date/Time				
Bates	8/30/21 10:00	1		ATB		8-31-21 / 9:50				



Cyanobacteria Bloom Response Field Data Sheet (2019-12-16 v4)

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

RQ-2021-08-08-13		Collected By: Katie March, Liz Bates	
Customer: WQAP	Field Report Prepared By: Liz Bates		
Project ID: Bloom-Resp	Sampling Agency: ZIFLCEN		
Location:		Comments: Checked new report in canal: mixture of bloom + plants	
Field ID: HABCE0075_Eustis Win ID: HABCE0075 Lake Eustis - NW Corner		Coordinates: 28.86613, -81.744221	
		Collection Equip: Syringe container	
		High Tide Time:	Low Tide Time:
WIN ID:			
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)
11-35	8/30/21	116.1	8.66
		30.7	8.58
		0.3	0.6
			1.9
			291.0
			0.14
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: ☐ N/A
Algae Distribution	☒ Suspended in water column	☒ On surface	☐ Other: ☐ N/A
Water Odors	☒ Normal	☐ Sewage	☐ Petroleum ☐ Chemical ☐ Other:
Parameter Suite	Parameter Methods	Preservation	pH Check
Bloom ID (PT-50mL)	☒ BLOOM-ID	☒ Ice	#Bottles Sent to Lab
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice	Bottle Group
Toxins (BG-WD250)	☒ W-MCYST-AA	☒ Ice	
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☒ H2SO4 ☒ <2	
	Acid Lot: H2SO4 LOT# SA1105060 EXP: 04/30/2022	Exp:	
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45µm Filter	
	Filter Lot # 17135566	☐ Ice	
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice	Lugols? Y / N
Relinquished By:	Date/Time	Number of Coolers Shipped	Received By: Date/Time
Bates	8/30/21 6:00	1	HAB 8-31-21 9:50

Date of Request: 18-MAY-2021
 Created By: BOMAN_L On: 18-MAY-2021
 Modified By: JASROTIA_P On: 08-JUL-2021
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District: Central
 Event Description: Algal Bloom Response - CEROC

Send Coolers To:

Phone: 407-897-4181
 3319 Maguire Blvd Ste 232

 Orlando, FL 32803
 Attn: Leif Boman
 Cooler Ship EMail: Leif.Boman@FloridaDep.gov

Priority: 1
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 08-JUL-2021
 Biology Request Reviewed By: JASROTIA_P On: 08-JUL-2021
 Sampling Kit Required: YES Ship on: 23-JUL-2021
 Sampling Kit Shipped: YES On: 21-JUL-2021
 Sampling Kit Packed By: KLUG_K
 Preservatives Needed: YES
 Date to Receive Samples: 02-AUG-2021
 Logged In By: SHAIK_A On: 31-AUG-2021

Send Final Report To:

3319 Maguire Blvd Ste 232

 Orlando, FL 32803
 Attn: Leif Boman
 Report Notification EMail: Leif.Boman@FloridaDEP.gov

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, 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

2 cases of sulfuric please

Bottle Group A (Biological) With 6 Samples:

Bottle Type: PT-50ML	Number of Bottles: 6	Preserved With: ICE
BLOOM-ID	Template: DEFAULT	(SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 6 Samples:

Bottle Type: BP-1L	Number of Bottles: 6	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: 6	Preserved With: ICE
W-MCYST-AA	Template: DEFAULT	(EPA 8321B) Microcystins in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 6	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: 6	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.