

Login Checklist

RQ- 2021-04-05-34

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 4/ 9 /21 @ 9:50

*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	
0.6				12		✓			9293 3010 1075
0.1				12		✓			1278 4015 4523

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: 4/ 9 /21

Event contains NCRs (Y/N)? ✓

Event ID: Algal Bloom Response- NEROC
WQAP-2021-04-09-01 (BLOOM-RESP)

Date Received: 09-APR-2021 09:50

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	
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: _____

Cyanobacteria Bloom Response Field Data Sheet

RQ-2019- <u>2021-04-05-34</u>		Collected By: <u>Kim Appleby + Jeremy Parrish</u>	
Customer: <u>ZIFLA</u>		Field Report Prepared By: <u>Kim Appleby</u>	
Project ID: <u>BLOOM_RESP</u>		Sampling Agency: <u>FDEP</u>	
Field ID: <u>404 NEHA30014</u> <u>lake winnott e 147 Bakers Acres</u>		Comments: <u>Algae seen throughout water column.</u>	
Matrix: <u>Fresh</u>		Collection Equipment: <u>Sample bottle</u>	
☒ Grab		Coordinates: <u>29.65104, -82.04721</u>	
Tide: ☐ Rising ☐ Falling ☐ Slack ☒ N/A		High Tide Time: <u> </u> Low Tide Time: <u> </u>	

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)
<u>4/8/21</u>	<u>1130</u>	<u>8.65</u>	<u>101.9</u>	<u>23.6</u>	<u>6.15</u>	<u>0.3</u>	<u>51.5</u>	<u>0.02</u>	<u>1.1</u>	<u>2.57</u>
	<u>1132</u>	<u>7.25</u>	<u>78.0</u>	<u>19.9</u>	<u>5.83</u>	<u>2.05</u>	<u>51.3</u>	<u>0.02</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: <u> </u>	
Algae Distribution	☒ Suspended in water column	☐ On surface	☐ Other: <u> </u>		
Water Odors	☒ Normal	☐ Sewage	☐ Petroleum	☐ Chemical	Other: <u> </u>

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Bloom ID (PT-50ML)	☒ BLOOM-ID	☒ Ice		<u>1</u>	<u>A</u>
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		<u>1</u>	<u>B</u>
Toxins (BG-WD250)	☒ W-MCYST-AA	☒ Ice		<u>1</u>	<u>B</u>
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☒ H2SO4	☒ <2	<u>1</u>	<u>B</u>
	Lot: <u>5A29386</u> Exp: <u>10/19/21</u>		☐ <2		
Filtered Nutrients (P125mL)	☒ W-PO4-F ☒ Field Filtered 0.45um Filter	☒ Ice		<u>1</u>	<u>B</u>
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☒ Ice ☒ Lugols		<u>1</u>	<u>B</u>

Relinquished By: <u>Kim Appleby</u>	Date/Time: <u>4/8/21</u> <u>1600</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>IAH</u>	Date/Time: <u>4.9.21/0950</u>
-------------------------------------	---	-------------------------------------	-------------------------	-------------------------------

Cyanobacteria Bloom Response Field Data Sheet

RQ-2019- ²⁰²¹ -04-05-34		Collected By: Kim Appleby + Jeremy Parrish								
Customer: ZIFLA	Field Report Prepared By: Kim Appleby									
Project ID: BLOOM_RESP	Sampling Agency: FDEP									
Field ID: NEHAB015 Lake Winnett West Shore		Comments: Algae seen throughout water column								
Matrix: Fresh		Collection Equipment: sample bottle								
Grab		Coordinates: 29.64998482, -82.05056								
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 (PPT)	Secchi Disk (m)	Total Depth (m)
4/8/21	1200	8.36	98.0	23.2	6.06	0.3	51.6	0.02	1.75	2.53
	1202	7.30	80.0	19.8	5.89	2.97	51.4	0.02		
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: _____						
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 SA293040		Exp: 10/19/21		☐ <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		1	B			
Relinquished By: Kim Appleby	Date/Time: 4/8/21 1600	Number of Coolers Shipped: 2		Received By: HK	Date/Time: 4.9.21/0950					

Cyanobacteria Bloom Response Field Data Sheet

2021 RQ-2019-04-05-34		Collected By: Kim Appleby + Jeremy Parrish								
Customer	ZIFLA	Field Report Prepared By:	Kim Appleby							
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP							
Field ID: NEHAB0017 Lake Winnott East Lobe		Comments: Algae seen throughout water column. Including pea sized aggregates, not not as commonly seen at other sections of lake.								
Matrix: Fresh		Collection Equipment:	sample bottle							
Tide: ☐ Rising ☐ Falling ☐ Slack ☒ N/A		Coordinates:	29.65092, -82.03806							
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 (PPT)	Secchi Disk (m)	Total Depth (m)
4/8/21	1240	8.53	101.0	23.8	6.18	0.3	51.6	0.02	1.2	7.66
	1242	1.04	10.7	16.5	5.61	6.99	54.8	0.02		
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 SA293040		Exp: 10/19/21	☐ <2						
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45um Filter	☒ Ice						
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C		☒ Ice ☒ Lugols		1	B				
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:	Date/Time					
Kim Appleby <i>[Signature]</i>	4/8/21 1600	2		KKK	4.9.21/0950					

Cyanobacteria Bloom Response Field Data Sheet

RQ-2019- <u>2021-04-05-34</u>		Collected By: <u>Kim Appleby + Jeremy Parrish</u>								
Customer: <u>2FLA</u>	Field Report Prepared By: <u>Kim Appleby</u>									
Project ID: <u>BLOOM_RESP</u>	Sampling Agency: <u>FDEP</u>									
Field ID: <u>NEHA30016</u> <u>Lake Winnett off shore lane</u>		Comments: <u>Algae seen throughout water column.</u>								
Matrix: <u>Fresh</u>		Collection Equipment: <u>Sample bottle</u>								
☐ Rising ☐ Falling ☐ Slack ☒ N/A		Coordinates: <u>29.64973, -82.04172</u>								
High Tide Time: <u>—</u>		Low Tide Time: <u>—</u>								
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)
<u>4/8/21</u>	<u>1220</u>	<u>7.46</u>	<u>99.9</u>	<u>23.5</u>	<u>6.12</u>	<u>0.3</u>	<u>51.7</u>	<u>0.02</u>	<u>1.2</u>	<u>5.49</u>
	<u>1222</u>	<u>4.66</u>	<u>49.3</u>	<u>17.7</u>	<u>5.67</u>	<u>4.93</u>	<u>52.2</u>	<u>0.02</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: _____					
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			<u>1</u>	<u>A</u>			
Chlorophyll (BP-1L)	☒ CHLSUITE-W		☒ Ice			<u>1</u>	<u>B</u>			
Toxins (BG-WD250)	☒ W-MCYST-AA		☒ Ice			<u>1</u>	<u>B</u>			
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☒ Ice ☒ H2SO4		☒ <2	<u>1</u>	<u>B</u>			
	Lot: _____		Exp: _____		☐ <2					
Filtered Nutrients (P125mL)	☐ W-PO4-F		☐ Field Filtered 0.45um Filter		☐ Ice	<u>1</u>	<u>B</u>			
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C		☒ Ice ☒ Lugols			<u>1</u>	<u>B</u>			
Relinquished By: <u>Kim Appleby</u>	Date/Time: <u>4/8/21</u>	Number of Coolers Shipped: <u>2</u>		Received By: <u>KK</u>	Date/Time: <u>4/9/21/0950</u>					
	<u>1600</u>									

Date of Request: 10-MAR-2021
 Created By: PARRISH_J On: 10-MAR-2021
 Modified By: JASROTIA_P On: 16-MAR-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: 16-MAR-2021
 Biology Request Reviewed By: JASROTIA_P On: 16-MAR-2021
 Sampling Kit Required: YES Ship on: 26-MAR-2021
 Sampling Kit Shipped: YES On: 23-MAR-2021
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 05-APR-2021
 Logged In By: KLUG_K On: 09-APR-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; Alicia.Hogue@dep.state.fl.us;
 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, algal full ID

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 3 Samples:

Bottle Type: PT-50ML Number of Bottles: 3 Preserved With: ICE
 BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 3 Samples:

Bottle Type: BP-1L Number of Bottles: 3 Preserved With: ICE
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Bottle Type: BP-1L Number of Bottles: 3 Preserved With: Lugols
 DTY-QN-C Template: DEFAULT (SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample.
 PKD-QN-C Template: DEFAULT (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample.

Bottle Type: BG-250ML-WDMTH Number of Bottles: 3 Preserved With: ICE
 W-MCYST-AA Template: (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS

Bottle Type: P-500ML Number of Bottles: 3 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: 3 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.