

RQ-2021-03-15-22

Login Checklist

Login Station ID: #4

Shipping Method: FedEx UPS | HD | GreyhoundDate/Time of Receipt: 03/18/2021 @ 9:00

*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	
0.8°C				19		X			9293 8009 6988

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: TJL

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: TJL

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

Yes ☐ No ☐ NA ☒ Init: TJL

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

Coolers Unpacked/Checked by: TJL Reynolds Date: 03/18/2021 Event contains NCRs (Y/N)? None

Event ID: Algal Bloom Response - CEROC
WQAP-2021-03-18-01 (BLOOM-RESP)
 Date Received: 18-MAR-2021 09:40

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	#4 Temp Gun EXP:10/28/2021
pH Test Strips 0 – 6	N/A
pH Paper 0 – 3	N/A
pH Paper 0 – 13	231019 EXP:11/01/2022
Chlorine Test Strips	8261 EXP:07/2021

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 (2019-12-16 v4)

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

RQ - 2021 - 03-15-22		Collected By: Jeff Boman + Victoria Schwartz
Customer: WQAP	Field Report Prepared By: V. Schwartz	
Project ID: BLOOM-RESP	Sampling Agency: 21FLCEN - CEROC	
Location: Field ID: HABCE0072_LakeHolden Win ID: HABCE0072 Lake Holden - 90m S of Lake Holden Point		Comments: Sunny/whdy no bloom observed Coordinates: 28.5042968, -81.3901382 Collection Equip: Sample containers, syringe
WIN ID: HABCE0072	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)
3/17/21	13:09	117.6	9.97	23.6	8.30	0.3	4.2	2.7	201.5	0.09
↓	13:11	132.4	11.32	23.2	8.34	3.7	—	—	200.6	0.09

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: _____	☒ 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: H2SO4 LOT# SA0293040 EXP: 10/19/2021	Exp:			
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45µm Filter		1	B
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C	☒ Ice		1	B
Relinquished By: V. Schwartz	Date/Time: 3/17/21 16:00	Number of Coolers Shipped: 1	Received By:	Date/Time:	

LIMS EVENT ID: WQAP-2021-

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:



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

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

RQ - 2021 - 03-15-22	Collected By: Leif Boman + Victoria Schwartz
Customer: WQAP	Field Report Prepared By: V. Schwartz
Project ID: BLOOM-RESP	Sampling Agency: 21FLCEN - CEROC
Location:	Comments: Sunny/whdy no bloom observed

Field ID: HABCE0065_LakeIvanhoe
Win ID: HABCE0065
Lake Ivanhoe - 200ft from boat ramp

Coordinates: 28.564748, -81.373874

Collection Equip: sample bottles, syringe

WIN ID: HABCE0065	High Tide Time: —	Low Tide Time: —
Matrix: Fresh	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)	
3/17/21	11:12	106.4	9.13	23.2	7.93	0.3	2.9	2.4	247.5	0.12	
↓	11:14	102.8	8.70	23.0	7.47	2.4	—	—	249.1	0.12	

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 (* Bottle lid cracked → taped)	☒ Ice		1	B	
	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice	☒ H2SO4	☒ <2	1	B
Preserved Nutrients (500mL HDPE)	H2504 LOT# SA0293040 EXP: 10/19/2021 Acid Lot: _____ Exp: _____					
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45µm Filter				
		Filter Lot # 9149785-171355	☒ Ice			
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C	☒ Ice	Lugols? Y/(N)			
Relinquished By: V. Schwartz	Date/Time: 3/17/21 16:00	Number of Coolers Shipped: 1	Received By:	Date/Time:		

LIMS EVENT ID: WQAP-2021-

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



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

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

RQ - 2021 - 03-15-22	Collected By: Lelf Boman + Victoria Schwartz
Customer: WQAP	Field Report Prepared By: V. Schwartz
Project ID: BLOOM-RESP	Sampling Agency: 21FLCEN - CEROC

Location: Field ID: HABCE0071_LakeConway2
Win ID: HABCE0071
Lake Conway - SW Shore

Comments: Sunny/windy
No bloom observed

Coordinates: 28.4662818, -81.3595114

Collection Equip: sample bottles, syringe

WIN ID: HABCE0071	High Tide Time: —	Low Tide Time: —
Matrix: Fresh	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)
3/17/21	14:15	106.9	9.20	22.8	7.26	0.3	5.9	4.0	219.0	0.10
↓	14:17	89.1	7.60	20.5	6.95	5.4	—	—	215.8	0.10

Bloom Observations

Algal Bloom Observed?	☐ Yes	☒ No
Water Surface	☒ Clear	☐ Scum
Water Clarity	☒ Clear	☐ Slightly Turbid
Bloom Color	☐ Green	☐ Red
Algae Distribution	☐ Suspended in water column	☐ On surface
Water Odors	☒ Normal	☐ Sewage
	☐ Globbs	☐ Slick
	☐ Turbid	☐ Opaque
	☐ Brown	☐ Other: ☒ N/A
	☐ On surface	☐ Other: ☒ N/A
	☐ 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: H2SO4 LOT# SA0293048 EXP: 10/19/2021	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	1	B
Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time	
3/17/21 16:00	V. Schwartz	1			

Date of Request: 22-FEB-2021
 Created By: BOMAN_L On: 22-FEB-2021
 Modified By: JASROTIA_P On: 24-FEB-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: 407-897-4178
 3319 Maguire Blvd Ste 232

 Orlando, FL 32803
 Attn: Natalie Ayala
 Cooler Ship EMail: natalie.ayala@FloridaDep.gov

Priority: 1
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 23-FEB-2021
 Biology Request Reviewed By: JASROTIA_P On: 24-FEB-2021
 Sampling Kit Required: YES Ship on: 05-MAR-2021
 Sampling Kit Shipped: YES On: 26-FEB-2021
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 15-MAR-2021
 Logged In By:

Send Final Report To:

3319 Maguire Blvd Ste 232

 Orlando, FL 32803
 Attn: Natalie Ayala
 Report Notification EMail: Natalie.Ayala@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, 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 4 Samples:

Bottle Type: PT-50ML Number of Bottles: 4 Preserved With: ICE
 BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample
 *Dominant sample taxon

Bottle Group B (Water) With 4 Samples:

Bottle Type: BP-1L Number of Bottles: 4 Preserved With: ICE
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Chlorophyll-a, Corrected
 Chlorophyll-a, Uncorrected
 Phaeophytin-a

Bottle Type: BP-1L Number of Bottles: 4 Preserved With: Lugols
 DTY-QN-C Template: DEFAULT (SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample.

*Phytoplankton-Quantitative-#Diatom Taxa

PKD-QN-C Template: DEFAULT (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample.

*Phytoplankton-Quantitative-# Wet Taxa

Bottle Type: BG-250ML-WDMTH Number of Bottles: 4 Preserved With: ICE
 W-MCYST-AA Template: DEFAULT (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS

*Microcystin HiR

Bottle Group B (Water) With 4 Samples:

Bottle Type: BG-250ML-WDMTH Number of Bottles: 4 Preserved With: ICE
 W-MCYST-AA Template: DEFAULT (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS

*Microcystin HtyR
 Anatoxin-a
 Cylindrospermopsin
 Desmethyl microcystin LR
 Microcystin LA
 Microcystin LF
 Microcystin LR
 Microcystin LW
 Microcystin LY
 Microcystin RR
 Microcystin WR
 Microcystin YR

Bottle Type: P-500ML Number of Bottles: 4 Preserved With: ICE And H2SO4
 W-NH3 Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
 Ammonia-N
 W-NO2NO3 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
 NO2NO3-N
 W-S-A-TP Template: DEFAULT (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
 Total-P
 W-TKN Template: DEFAULT (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
 Kjeldahl Nitrogen

Bottle Type: P-125ML Number of Bottles: 4 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
 O-Phosphate-P

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.