

Login Checklist

RQ- **2020 - 03 - 02 -57**

Login Station ID: **# 3**

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

Date/Time of Receipt: **08/11/2020 / 11:35**

*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	
2.1C				6		X			1278 4012 1006

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: **08/11/2020** Event contains NCRs (Y/N)? **N**

Event ID: **WQAP 2020 08 - 11 - 02**

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	ITTG #3 EXP:11-05-2020
pH Test Strips 0 – 6	213316 BV EXP:05/15/2021
pH Paper 0 – 3	XXXXXXXXXX
pH Paper 0 – 13	231019 EXP:NOV-01-2022
Chlorine Test Strips	9080 / 2022 / 01

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: _____

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WQAP

Project ID: BLOOM-RESP

Requester: Natalie Ayala

Collected By: Mike Drennan

Field Report Prepared By: Mike Drennan

Sampling Agency: OCEPD for CEROC

Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/10/20 Time 1120		Eastern Central	Composite end Date Time		Bottle Group(s) (See pg 2)	
Win ID: HABCE0028 Field ID: HABCE0028 - Lake Roberts (waterbody name)		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 5.0	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A, B, C	
Temp (C) 32.6		pH 7.2		Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 176			
☐ dd ☐ dms		Salinity (ppt)		Comments					
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)					Comments
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)					Comments
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)					Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
				<i>[Signature]</i>	8-11-20/11:35

Group: A	Bottle Type: PT-50ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
BLOOM-ID					
Group: B	Bottle Type: BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
CHLSUITE-W					
Group: B	Bottle Type: BG-250ML-WDMT H	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
W-MCYST-AA					
Group: B	Bottle Type: P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
W-NH3					
W-NO2NO3					
W-S-A-TP					
W-TKN					
Group: B	Bottle Type: P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
W-PO4-F					
Group: C	Bottle Type: BP-1L	# of Bottles: 2	Preservative: Lugols	Enter Number of Bottles Sent to Lab	1
DTY-QN-C					
PKD-QN-C					



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

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

RQ - 2020 - 03-02-57		Collected By:	Rob Renk, Mike Drennan							
Customer:	WQAP	Field Report Prepared By:	Mike Drennan							
Project ID:	BLOOM-RESP	Sampling Agency:	21FLCEN - CEROC							
Location: Lake Roberts SE		Comments: Bloom present throughout littoral zone and thinning toward center of lake.								
Field ID: HABCE0028_LakeRoberts		Coordinates:	28.5144 -81.5703							
WIN ID: HABCE0028		Collection Equip:	Water Bottle							
Matrix: <u>Aqueous</u>		High Tide Time:	Low Tide Time:							
<u>Grab</u>		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)
8/10/2020	1120	69.6	5.0	32.6	7.2	0.3	1.4	0.5	176	
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: <u>Bloomy smell</u>					
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>SA9301030</u>		Exp: <u>10/28/20</u>							
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45µm Filter		☐ Ice	1	B			
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C		☒ Ice		Lugols? <u>Y/N</u>	1	C			
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:		Date/Time				
Mike Drennan	8/10/20 1430	1								

SULFURIC ACID <51%
DANGER
7584-93-8
7732-18-9
Contains 1.1 H2SO4
THERMO FISHER SCIENTIFIC
520 NORTH MAIN STREET
SPRING, OH 44678
1-800-856-2711
See Safety Data Sheet (SDS)

Contains 1.1 H2SO4
Lot No. SA9301030
Expires 10/28/20
See Safety Data Sheet (SDS)

LIMS EVENT ID: WQAP-2020-03-02-57 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: _____

Date of Request: 13-FEB-2020
 Created By: AYALA_N On: 13-FEB-2020
 Modified By: JASROTIA_P On: 17-FEB-2020
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District: CEROC
 Event Description: Algal Bloom Response - CEROC

Send Coolers To:

Phone: 407-897-4180
 3319 Maguire Blvd
 Suite 232
 Orlando, FL 32803
 Attn: Natalie Ayala
 Cooler Ship Email: Natalie.Ayala@FloridaDEP.gov

Priority: 1
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 17-FEB-2020
 Biology Request Reviewed By: JASROTIA_P On: 17-FEB-2020
 Sampling Kit Required: YES Ship on: 21-FEB-2020
 Sampling Kit Shipped: YES On: 19-FEB-2020
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 02-MAR-2020
 Logged In By: SHAIK_A On: 11-AUG-2020

Send Final Report To:

3319 Maguire Blvd
 Suite 232
 Orlando, FL 32806
 Attn: Natalie Ayala
 Report Notification Email:
 natalie.ayala@dep.state.fl.us; kalina.warren@dep.state.fl.us;

Comments: Unless peak algal bloom season, may analyze toxin after consultation with Biology's Taxonomy Manager.

Bottle Groups A/B - separate event, priority 1
 Bottle Group C - separate event, priority 12

Bottle Group A - Priority 1
 For algal dominant taxon.

Bottle Group B - Priority 1
 For toxin testing, nutrients, and chlorophyll

Bottle Group C - Priority 12
 For 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 2 Samples:

Bottle Type: PT-50ML	Number of Bottles: 2	Preserved With: ICE
BLOOM-ID	Template: DEFAULT	(SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 2 Samples:

Bottle Type: BP-1L	Number of Bottles: 2	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: 2	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: 2	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 Group B (Water) With 2 Samples:

Bottle Type: P-125ML Number of Bottles: 2 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

Bottle Group C (Water) With 2 Samples:

Bottle Type: BP-1L Number of Bottles: 2 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.

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