Login Checklist

RQ- 2023-05-15-67

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 05/ 19 /2023@09:36

*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	
3.3				20		X			585947356051
4.3				5		X			585947358878

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: TL

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 X No ____ NA ____ Init: TL

**W-1-4-DIOX *(Green dot on container)* preserved to pH< 4.0? Yes ____ No ____ NA X Init: TL

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

Coolers Unpacked/Checked by: TL **Date:** 05/ 19 /2023 **Event contains NCRs (Y/N)?** N

Event ID: WQAP-2023-05-19-03

Login Checklist

Login Preservation Equipment	Lot # & Exp: Date
Infrared Thermometer ID:	IR TEMP GUN #4 Exp:10/17/2023
pH Test Strips 0 – 6	LOT# 223819AV Exp: AUG 30, 2023
pH Paper 0 – 3	N/A
pH Paper 0 – 13	LOT# 207621 Exp: March 15, 2024
Chlorine Test Strips	LOT# 1196 Exp: Feb. 2024

Additional Comments:

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# _____

Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

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

RQ - 2023-05-15-67		**Collected By:**	Leif Boman, Victoria Schwartz
Customer:	WQAP	**Field Report Prepared By:**	Victoria Schwartz
Project ID:	BLOOM_RESP	**Sampling Agency:**	CEROC
Location: LAKE OSCEOLA CANTON AVE		**Comments:** Sunny	
Field ID: HABCE0176_LakeOsceola		**Coordinates:**	28.60056, -81.34716
WIN Secondary Resource Type: Lake		**Collection Equip:**	WaterBottle
WIN ID:HABCE0176		**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)
05/18/2023	11:01	101.7	7.81	29.1	7.48	0.3	1.1	1.1	223.4	0.1

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
Algal ID (PT-50mL)	☐ ALGAL-ID	☐ Ice			
Bloom ID (PT-50mL)	■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP Acid Lot: SA3013020 Exp:	■ Ice ■ H2SO4 1/25/24	■ <2	1	B
Filtered Nutrients (P125mL)	■ W-PO4-F ■ Field Filtered 0.45um Filter Filter Lot # 17769663	■ Ice		1	B
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice ☐ Lugols			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
Victoria Schwartz	05/18/2023 16:00	2	TL	5/19/23 @ 09:36

Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

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

RQ - 2023-05-15-67		**Collected By:**	Leif Boman, Victoria Schwartz
Customer:	WQAP	**Field Report Prepared By:**	Victoria Schwartz
Project ID:	BLOOM_RESP	**Sampling Agency:**	CEROC

Location: Lake Minnehaha - E Dock

Comments: Water level low exposing some normally submerged plants. Dense vegetation (submerged- Hydrilla & Vallisneria)(floating- Lemna, Azolla, & Salvinia). Aquatic plant seeds/pollen also accumulating on surface at boat ramp. Filamentous algae at stormwater input

Field ID: HABCE0194_LakeMinnehaha3		**Coordinates:**	28.63204, -81.35169
WIN Secondary Resource Type: Lake		**Collection Equip:**	WaterBottle
WIN ID:HABCE0194		**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)
05/18/2023	09:52	51.5	4.05	27.6	7.26	0.25	0.5	0.5	245.9	0.12

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
Algal ID (PT-50mL)	☐ ALGAL-ID	☐ Ice			
Bloom ID (PT-50mL)	■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP Acid Lot: SA3013020 Exp: 1/25/24	■ Ice ■ H2SO4	■ <2	1	B
Filtered Nutrients (P125mL)	■ W-PO4-F ■ Field Filtered 0.45um Filter Filter Lot # 17769663	■ Ice		1	B
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice ☐ Lugols			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
Victoria Schwartz	05/18/2023 16:00	2	TL	5/19/23 @ 09:36

Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

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

RQ - 2023-05-17-67		**Collected By:**	Leif Boman, Victoria Schwartz
Customer:	WQAP	**Field Report Prepared By:**	Victoria Schwartz
Project ID:	BLOOM_RESP	**Sampling Agency:**	CEROC

Location: Lake Rowena near NE corner

Comments: Sunny. Water green with visible algae specks throughout water column

Field ID: HABCE0057_LakeRowena

Coordinates: 28.57263, -81.35834

WIN Secondary Resource Type: Lake

Collection Equip: WaterBottle

WIN ID:HABCE0057

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)
05/18/2023	12:55	148.2	11.17	30.2	9.18	0.25	0.5	0.5	182.4	0.08

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
Algal ID (PT-50mL)	☐ ALGAL-ID	☐ Ice			
Bloom ID (PT-50mL)	■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP Acid Lot: SA3013020 Exp: 1/25/24	■ Ice ■ H2SO4	■ <2	1	B
Filtered Nutrients (P125mL)	■ W-PO4-F ■ Field Filtered 0.45um Filter Filter Lot # 17769663	■ Ice		1	B
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice ☐ Lugols			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
Victoria Schwartz	05/18/2023 16:00	2	TL	5/19/23 @ 09:36

Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

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

RQ - 2023-05-15-67		**Collected By:**	Leif Boman, Victoria Schwartz
Customer:	WQAP	**Field Report Prepared By:**	Victoria Schwartz
Project ID:	BLOOM_RESP	**Sampling Agency:**	CEROC
Location: SUNSET LAKE W SHORE		**Comments:** Sunny. Algal mat still present along shoreline	
Field ID: HABCE0165_SunsetLake		**Coordinates:**	28.53668, -81.41303
WIN Secondary Resource Type: Lake		**Collection Equip:**	WaterBottle
WIN ID:HABCE0165		**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)
05/18/2023	12:22	147.2	11.14	29.9	7.79	0.15	0.3	0.3	176.5	0.08

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
Algal ID (PT-50mL)	☐ ALGAL-ID	☐ Ice			
Bloom ID (PT-50mL)	■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP Acid Lot: SA3013020 Exp:	■ Ice ■ H2SO4 1/25/24	■ <2	1	B
Filtered Nutrients (P125mL)	■ W-PO4-F	■ Field Filtered 0.45um Filter Filter Lot # 17769663 ■ Ice		1	B
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice ☐ Lugols			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
Victoria Schwartz	05/18/2023 16:00	2	TL	5/19/23 @ 09:36

Effective Date: 08/16/2022
Revision Date: 08/15/2022
Revision Author: T Balkcom

AB-FIELD-2.3

Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

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

RQ - 2023-05-15-67		**Collected By:**	Leif Boman, Victoria Schwartz
Customer:	WQAP	**Field Report Prepared By:**	Victoria Schwartz
Project ID:	BLOOM_RESP	**Sampling Agency:**	CEROC

Location: LAKE VIRGINIA DINKY DOCK

Comments: Sunny. Water very green

Field ID: HABCE0172_LakeVirginia1

Coordinates: 28.59378, -81.34448

WIN Secondary Resource Type: Lake

Collection Equip: WaterBottle

WIN ID:HABCE0172

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)
05/18/2023	10:35	117.4	8.99	29.2	8.83	0.25	0.5	0.5	226.7	0.11

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
Algal ID (PT-50mL)	☐ ALGAL-ID	☐ Ice			
Bloom ID (PT-50mL)	■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP Acid Lot: SA3013020 Exp: 1/25/24	■ Ice ■ H2SO4	■ <2	1	B
Filtered Nutrients (P125mL)	■ W-PO4-F ■ Field Filtered 0.45um Filter Filter Lot # 17769663	■ Ice		1	B
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice ☐ Lugols			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
Victoria Schwartz	05/18/2023 16:00	2	TL	5/19/23 @ 09:36

RQ-2023-05-15-67

Date of Request:	09-MAY-2023
Created By:	BOMAN_L On: 09-MAY-2023
Modified By:	JASROTIA_P On: 11-MAY-2023
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:	AYRES_J On: 10-MAY-2023
Biology Request Reviewed By:	JASROTIA_P On: 11-MAY-2023
Sampling Kit Required:	YES Ship on: 16-MAY-2023
Sampling Kit Shipped:	YES On: 12-MAY-2023
Sampling Kit Packed By:	KREUCH_B
Preservatives Needed:	NO
Date to Receive Samples:	15-MAY-2023
Logged In By:	LEBRUN_T On: 19-MAY-2023

Send Final Report To:

3319 Maguire Blvd. Suite 232

Orlando, FL 32803
Attn: Jessie Atchison
Report Notification EMail: Jessie.Atchison@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 6 Samples:

Bottle Type: PT-50ML Number of Bottles: 6 Preserved With: ICE

BLOOM-ID	Template: DEFAULT	(SOP-AB18)	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 10150 B)	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Bottle Type: P-125ML Number of Bottles: 6 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 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.