Login Checklist

RQ- 2020-02-10-17 Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound Date/Time of Receipt: 8/26/20 @ 11:40

*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	
1.8				12		✓			1278 4012 2403

***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 °C (above 10.0 °C 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#** _____

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: KK

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: KK

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

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

Coolers Unpacked/Checked by: KK **Date:** 8/26/20 **Event contains NCRs (Y/N)?** N

Event ID: _____

Algal Bloom Response -SOROC
WQAP-2020-08-26-01 (BLOOM-RESP)
Date Received: 26-AUG-2020 11:40

Login Checklist

Login Preservation Equipment

Infrared Thermometer ID:	IR TEMP GUN #5
pH Test Strips 0 – 6 Lot #	213316BV EXP:5-15-21
pH Paper 0 – 3 Lot #	
pH Paper 0 – 13 Lot #	231019 EXP:11-1-22
Chlorine Test Strips Lot #	8261 EXP:07-2021

Additional Comments:

Did not receive 2nd cooler with site CC-082520-003

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: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Strategic Monitoring Program

CHAIN OF CUSTODY FORM

Date: 8/25/20

Customer: FDEP- DEAR

RQ - 2020-02-10-17

Number of Coolers Shipped: ____

Collected By: KATHRYN MCBRIDE

Sampling Agency: FDEP - SOROC

Project ID: BLOOM-Response

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB.

FIELD ID (Labels) submitted under this RQ for this collection date.

3 SAMPLES, 2 COOLERS
CC-082520-001*MAKAI CANAL
CC-082520-002*HIGHLANDER CANAL
CC-082520-003*BORIS CANAL
ALL FROM CAPE CORAL

RELINQUISHED BY (SIGNATURE): KRM DATE/TIME: 8/25/20 10:48 ☒ EST ☐ CST

THIS SECTION IS TO BE COMPLETED BY THE LABORATORY

Received/ Inspected By (signature): HB

Received/ Inspected Date: 8.26.20 Received/ Inspected Time: 11:40 ☐ EST ☐ CST

Sample Receipt Temperature (Degrees Centigrade): 1.8

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

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

RQ - 2020-02-10-IT		Collected By:	KATHRYN MCBRIDE
Customer:	CITY OF CAPE CORAL	Field Report Prepared By:	KATHRYN MCBRIDE
Project ID:	CC-082520-001	Sampling Agency:	CITY OF CAPE CORAL
Location: MAKAI CANAL		Comments:	
Field ID: CC-082520-001		Coordinates:	N 26° 37.122 W 81° 59.857
		Collection Equip:	EXO
WIN ID:		High Tide Time:	Low Tide Time:
Matrix:	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)
9:03	EST	74.1	5.69	29.02	7.26	0.36	.8	>0.36	640	0.31

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	
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice	<5	1	
Toxins (BG-WD250)	☒ W-MCYST-AA	☒ Ice		1	
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☒ H2SO4	☒ <2	1	
	Acid Lot: SA93101330	Exp: 10/28/20			
Filtered Nutrients (P125mL)	☒ W-PO4-F	Field F... 0.45um Filter ☒ Ice		1	
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C	☒ Ice Lugols? Y (N)		1	

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
KATHRYN MCBRIDE	8/25/20 10:48	2		

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

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

RQ- 2020-20-10-17		Collected By:	KATHRYN MCBRIDE
Customer:	CITY OF CAPE CORAL	Field Report Prepared By:	KATHRYN MCBRIDE
Project ID:	CC-082520-002	Sampling Agency:	CITY OF CAPE CORAL
Location: Highlander Canal, South of bridge		Comments:	26°36.936
Field ID: CC-082520-002		Coordinates:	~~26 37.28 N~~ 81°59.547
		Collection Equip:	Van Dorn
WIN ID:		High Tide Time:	Low Tide Time:
Matrix:	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)
08/25/2020	0935	85.6	6.59	29.84	7.42	0.83	1.3	0.40	621	0.30

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	1,5	1	
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	
Toxins (BG-WD250)	☒ W-MCYST-AA	☒ Ice		1	
	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☒ H2SO4	☒ <2	1	
Preserved Nutrients (500mL HDPE)	Acid Lot: SA9301030	Exp: 10/28/20			
Filtered Nutrients (P125mL)	☒ W-PO4-F	☐ Field Filtered 0.45um Filter, Filter Lot #: ☒ 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
KATHRYN MCBRIDE	8/25/20 10:48	2		

Request Number: RQ-2020-02-10-12

Algal Bloom Response -SOROC

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WQAP

Project ID: BLOOM-RESP

Requester: Kirby Wolfe

Collected By: KATHRYN MCBRIDE

Field Report Prepared By: KATHRYN MCBRIDE

Sampling Agency: CITY OF CAPE CORAL

Location: MAKAI CANAL	☐ Comp ☒ Grab	Collection (comp begin or grab) Date: 8/25/20 Time: 9:03 Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2): ABC
Field ID: CC-082520-001	Matrix (type, e.g., Salt, Fresh, etc): FRESH	Diss. Oxygen: 7A.1 ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L): N/A		
WIN/STORET #:	Temp (C): 29.02	pH: 7.26	Sample Depth: 3 ☐ ft ☒ m	Sp. Conductance (umho/cm): 640	
Latitude: N 26 37 122 ☐ dd ☒ dms	Longitude: W 81 59.857 ☐ dd ☒ dms	Salinity (ppt):	Comments:		
Location: HIGHLANDER	☐ Comp ☒ Grab	Collection (comp begin or grab) Date: 8/25/20 Time: 9:35 Eastern Central	Composite end Date	Time	Bottle Group(s): ABC
Field ID: CC-082520-002	Matrix (type, e.g., Salt, Fresh, etc): FRESH	Diss. Oxygen: 85.6 ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #:	Temp (C): 28.84	pH: 7.42	Sample Depth: 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm): 621	
Latitude: 26° 36.936 ☐ dd ☒ dms	Longitude: 81° 59.541 ☐ dd ☒ dms	Salinity (ppt): 0.30	Comments:		
Location: ~~HG~~ BORIS	☐ Comp ☒ Grab	Collection (comp begin or grab) Date: 08/25/20 Time: 1015 Eastern Central	Composite end Date	Time	Bottle Group(s): ABC
Field ID: CC-082520-003	Matrix (type, e.g., Salt, Fresh, etc): FRESH	Diss. Oxygen: 62.4 ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #:	Temp (C): 26.68	pH: 7.45	Sample Depth: 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm): 861	
Latitude: 26° 36.646 ☒ dd ☐ dms	Longitude: 82° 01.357 ☐ dd ☐ dms	Salinity (ppt): 0.42	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
KATHRYN MCBRIDE	8/25/20		2		

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

RQ-2020-02-10-17

Date of Request: 13-JAN-2020
Created By: WOLFE_K On: 13-JAN-2020
Modified By: JASROTIA_P On: 21-JAN-2020
Customer: WQAP
Project: BLOOM-RESP
Division: Division of Environmental Assessment and Restoration
District: SROC
Event Description: Algal Bloom Response -SOROC

Send Coolers To:

Phone: 850-245-8416
2295 Victoria AVE
Suite 364
Fort Myers, FL 33901
Attn: Kirby Wolfe
Cooler Ship EMail: kirby.wolfe@dep.state.fl.us

Priority: 1
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 21-JAN-2020
Biology Request Reviewed By: JASROTIA_P On: 21-JAN-2020
Sampling Kit Required: YES Ship on: 31-JAN-2020
Sampling Kit Shipped: YES On: 28-JAN-2020
Sampling Kit Packed By: REYNOLDS_T
Preservatives Needed: NO
Date to Receive Samples: 10-FEB-2020
Logged In By:

Send Final Report To:

2295 Victoria AVE
Suite 364
Fort Myers, FL 33901
Attn: Kirby Wolfe
Report Notification EMail:
kirby.wolfe@dep.state.fl.us;kalina.warren@dep.state.fl.us;;Cheryl.Swanson@dep.state.fl.us;John.Barrington@floridadep.gov;Miranda.Carroll@FloridaDEP.gov;Chase.Conley@dep.state.fl.us;Chris.Hormuth@FloridaDEP.gov;

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.