

Login Checklist

RQ- 2020-02-10-17

Login Station ID: #5

Shipping Method: KedEx | 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 #
	YES	HNO ₃	Formalin		Present?		*Intact?		
					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-2020-08-26-02 (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 FORMDate: 8/25/20Customer: FDEP-DEARRQ: 2020-02-10-17

Number of Coolers Shipped: _____

Collected By: KATHRYN MORRIDESampling Agency: FDEP - SOROCProject 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): KRMDATE/TIME: 8/25/20 10:48☒ EST
☐ CST

THIS SECTION IS TO BE COMPLETED BY THE LABORATORY

Received/Inspected By (signature): KBReceived/Inspected Date: 8.26.20Received/Inspected Time: 11:40☐ EST
☐ CSTSample 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 - 2020-02-10-17		Collected By:	KATHRYN MCBRIDE							
Customer:	CITY OF CAPE CORAL	Field Report Prepared By:	KATHRYN MCBRIDE							
Project ID:	CC-082520-00	Sampling Agency:	CITY OF CAPE CORAL							
Location: MAKAI CANAL		Comments:								
Field ID: CC-082520-00		Coordinates:	N 26° 37.122 W 81° 59.857							
WIN ID:		Collection Equip:	EXO							
Matrix:		High Tide Time:	Low Tide Time:							
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 (PPT)
9.03	EST	74.1	5.69	29.02	7.06	0.36	.8	2036	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	115	1				
Chlorophyll (BP-1L)	☒ CHLSUITE-W			☒ Ice		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:		SA9310130		Exp:		10/28/20				
Filtered Nutrients (P125mL)	☒ W-PO4-F		Field #	345um Filter	☒ Ice	1				
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C			☒ Ice	Lugols? ☒ 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: 2636.936								
Field ID: CC-082520-002		Coordinates:	26°37'28"N 81°59'54"W							
WIN ID:		Collection Equip:	Van Don							
Matrix:		High Tide Time:	Low Tide Time:							
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 (PPT)
08/25/20	0935	85.6	6.51	28.84	7.42	0.83	1.3	0.46	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		115	1			
Chlorophyll (BP-1L)	☒ CHLSUITE-W			☒ Ice			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:	SA9301030		Exp:	10/28/20					
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45um Filter		☒ 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 1948	2								

Request Number: RQ-2020-02-10-1Z

Florida Department of Environmental Protection

Central Laboratory Submittal Form

 Page 1 of 2
 last revised Jan 25, 2018

Customer: WQAP

Requester: Kirby Wolfe

Field Report Prepared By: KATHRYN MCBRIDE

Project ID: BLOOM-RESP

Collected 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)
Field ID CC-082520-001		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 74.1		☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) N/A		(See pg 2)
WIN/STORET #		Temp (C) 29.02		pH 7.26		Sample Depth 3		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)
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		Sp. Conductance (umho/cm) 621	
Latitude 26 36.936	☐ dd ☒ dms	Longitude 81 59.547	☐ dd ☒ dms	Salinity (ppt) 0.30		Comments			
Location BIG BORIS		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 08/25/20 Time 10:15		Eastern Central	Composite end Date Time		Bottle Group(s)
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 0.2		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		Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)		Comments			

Relinquished By: KATHRYN MCBRIDE	Date/Time 8/25/20	Shipping Method	Number of Coolers Shipped: 2	Received By:	Date/Time
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Group: B Bottle Type: BP-1L # of Bottles: 2 Preservative: ICE Enter Number of Bottles Sent to Lab

Group: B Bottle Type: BG-250ML-WDMT - # of Bottles: 2 Preservative: ICE Enter Number of Bottles Sent to Lab
W-MCYST-AA H

Group: B Bottle Type: P-500ML # of Bottles: 2 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab

W-NH3 1A
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

Group: C Bottle Type: BP-1L # of Bottles: 2 Preservative: Lugols Enter Number of Bottles Sent to Lab

DTY-QN-C
PKD-QN-C

[illegible][illegible]

SULFURIC ACID 45%
UNCLAS
7766-01
7766-02



THOMAS FINDER SCIENTIFIC
520 W 40TH ST
ST. LOUIS, MO 63108
TEL: 314-585-2711

Contains: 1.1 H2SO4

See Safety Data Sheet (SDS)

Contains: 1.1 H2SO4
Lot No.: S45901090
Expires: 10/29/20

Number of Coolers Shipped:

borderline pricing

amfNelsD

Revised By:

KATHARIN MCBRYDE 120

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;Miran
 da.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.