

RQ-2020-08-3160

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 9/2/2020 12:00

*Cooler Temperature	Samples Frozen?	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
					Present?		*Intact?		
					Yes	No	Yes	No	
22.1				2		✓			911763816956
18.7				2		✓			911763816990
14.4				6		✓			911763816967
18.3				6					911763816978

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 °C (above 10.0 °C for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# 8406
- 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: IM

Chlorine detected? (One container checked per Field ID)

Yes ☐ No ☒ Init: IM

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: IM

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

Yes ☐ No ☐ NA ☒ Init: IM

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

Coolers Unpacked/Checked by: IM

Date: 9/2/2020

Event contains NCRs (Y/N)?

Event ID:

Algal Bloom Response - SWD
WQAP-2020-09-02-01 (BLOOM-RESP)
Date Received: 02-SEP-2020 12:00

IM
9/2/20

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Infrared Thermometer ID:	IR TEMP GUN #2 exp:11/5/20
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	231019 exp: 11/1/22
Chlorine Test Strips	8261 exp: 07/2021

Additional Comments:

Samples arrived with no ice
Site "Makai Canal" paperwork destroyed
in transit, replacement printed and
included - IM 9/2/20

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 - 2020-08-31-60		Collected By: KATHRYN MCBRIDE								
Customer: CITY OF CAPE CORAL	Field Report Prepared By: KRAIG HANKINS KATHRYN MCBRIDE									
Project ID:	Sampling Agency: CITY OF CAPE CORAL									
Location: PALMETTO PINES GOLF COURSE LAKE		Comments: TRYING TO FIND BGA BLOOM SOURCE								
Field ID: CC-090120-001		Coordinates: 26.44013 -81.998233								
WIN ID:		Collection Equip: EXO								
		High Tide Time: N/A	Low Tide Time: N/A							
Matrix: FRESH, STORMWATER	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 (PPTth)
9/1/20	14:41	301.6 195.8	20.77	35.33	9.37	0.30	0.30	N/A	0.592	0.28
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			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:	SA 0038110	Exp:							
Filtered Nutrients (P125mL)	☒ W-PO4-F	☐ Field Filtered 0.45µm 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					
KRM	9/1/20 15:20	4 TOTAL		IM	9/2/20 12:00					



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

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

RQ - 2020-08-31-60		Collected By: KATHRYN MCBRIDE								
Customer: CITY OF CAPE CORAL	Field Report Prepared By: KRAIG HANKINS		KATHRYN MCBRIDE							
Project ID: CC-090120-002	Sampling Agency: CITY OF CAPE CORAL									
Location: MAKAI CANAL 1		Comments:								
Field ID: CC-090120-002		Coordinates: N 26.618599 W -81.797585								
WIN ID:		Collection Equip: EXO								
Matrix: FRESH, STORMWATER		High Tide Time: N/A	Low Tide Time: N/A							
☒ 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)
9/1/20	13:40	168.5	12.59	30.59	7.64	0.34	0.34	N/A	0.696	0.33
Bloom Observations										
Algal Bloom Observed?		☒ Yes ☐ No								
Water Surface	☒ Clear	☐ Scum	☐ Globbs		☐ 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-11L)	☒ 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: SA0038110		Exp: 2/1/21					1		
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45µm 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			
KRM	9/1/20 3:20		4 TOTAL							

last revised Jan 25, 2018

Request Number: RQ-2020-08-31-60

Algal Bloom Response - SWD

Florida Department of Environmental Protection Central Laboratory Submittal Form

Customer: WQAP

Project ID: BLOOM-RESP

Requester: Amelia G. Rankin

Collected By: KATHRYN MCBRIDE

Field Report Prepared By:

Sampling Agency:

KRAIG HANKINS
KATIE MCBRIDE

CITY OF CAPE CORAL

Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 9/1/20 Time		Eastern Central	Composite end Date Time 1340		Bottle Group(s) (See pg 2) A, B, C		
MAKAI CANAL 1				Matrix (type, e.g., Salt, Fresh, etc) FRESH STORMWATER		Diss. Oxygen 12.59		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Field ID CC-090120-002				Temp 30.59 (C) 43.44		pH 7.64		Sample Depth 0.34		☐ ft ☒ m Sp. Conductance (umho/cm) 696	
WIN/STORET #											
Latitude 26.618599		☒ dd ☐ dms		Longitude -81.997585		☒ dd ☐ dms		Salinity (ppt) 0.33		Comments	
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date Time		Eastern Central	Composite end Date Time		Bottle Group(s)		
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Field ID				Temp (C)		pH		Sample Depth		☐ ft ☐ m Sp. Conductance (umho/cm)	
WIN/STORET #											
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)		
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Field ID				Temp (C)		pH		Sample Depth		☐ ft ☐ m Sp. Conductance (umho/cm)	
WIN/STORET #											
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)		
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Field ID				Temp (C)		pH		Sample Depth		☐ ft ☐ m Sp. Conductance (umho/cm)	
WIN/STORET #											
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)		
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Field ID				Temp (C)		pH		Sample Depth		☐ ft ☐ m Sp. Conductance (umho/cm)	
WIN/STORET #											
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)		
				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Field ID				Temp (C)		pH		Sample Depth		☐ ft ☐ m Sp. Conductance (umho/cm)	
WIN/STORET #											
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
------------------	-----------	-----------------	----------------------------	--------------	-----------

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WQAP

Requester: Amelia G. Rankin

Field Report Prepared By:

Project ID: BLOOM-RESP

Collected By: KATHRYN MCBRIDE

Sampling Agency:

KRAIG HANKINS
KATHRYN MCBRIDE
CITY OF CAPE CORAL

Location PALMETTO PINES GOLF COURSE		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 09/01/2020 Time 14:41		Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2) A,B,C	
Field ID CC-090120-001		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 20.77		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C) 35.33		pH 9.37		Sample Depth 0.30		☐ ft ☒ m		Sp. Conductance (umho/cm) 592	
Latitude 26.614013		☒ dd ☐ dms		Longitude -81.990233		☒ dd ☐ dms		Salinity (ppt) 0.28		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
------------------	-----------	-----------------	----------------------------	--------------	-----------

Group: A	Bottle Type:	PT-50ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
BLOOM-ID							
Group: B	Bottle Type:	BG-250ML-WDMT H	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
W-MCYST-AA							
Group: C	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
CHLSUITE-W							
Group: C	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
W-E8321-DI							
W-E8321-MS							
Group: C	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
		W-NH3			H2SO4		
		W-NO2NO3			LOT# SA0038110		
		W-S-A-TP			EXP: 02/07/2021		
		W-TKN					
Group: C	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
W-PO4-F							



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

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

RQ -		Collected By:		KATHRYN MCBRIDE						
Customer:	CITY OF CAPE CORAL	Field Report Prepared By:	KRAIG HANKINS KATHRYN MCBRIDE							
Project ID:		Sampling Agency:	CITY OF CAPE CORAL							
Location: GC, UPSTREAM OF WEIR		Comments:								
Field ID: CC-090120-003		Coordinates:	26.61771 -81.998575							
WIN ID:		Collection Equip:	EXO							
Matrix: FRESH, STORMWATER		High Tide Time:	N/A	Low Tide Time:	N/A					
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 _h)
9/1/20	14:30	195.8	13.90	33.62	8.19	0.24	0.29	N/A	0.674	0.32
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							
Chlorophyll (BP-1L)	☐ CHLSUITE-W		☐ Ice							
Toxins (BG-WD250)	☒ W-MCYST-AA		☐ Ice							
Preserved Nutrients (500mL HDPE)	☐ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☐ Ice	☐ H2SO4	☐ <2					
	Acid Lot:		Exp:							
Filtered Nutrients (P125mL)	☐ W-PO4-F	☐ Field Filtered 0.45µm 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				
KRM	9/01/20 3:20 (15:20)	4 TOTAL								

Request Number: RQ-2020-08-31-60

Algal Bloom Response - SWD

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Page 1 of 2

last revised Jan 25, 2018

Customer: WQAP

Requester: Amelia G. Rankin

Field Report Prepared By:

Project ID: BLOOM-RESP

Collected By: KATHRYN MCBRIDE

Sampling Agency:

KRAIG HANKINS
KATHRYN MCBRIDE
CITY OF CAPE CORAL

Location GC, UPSTREAM OF WEIR		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 9/1/20 Time		Eastern Central		Composite end Date Time 1430		Bottle Group(s) (See pg 2)	
Field ID CC-090120-003		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 13.90		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C) 33.62		pH 8.19		Sample Depth 0.24		☐ ft ☒ m		Sp. Conductance (umho/cm) 0.674	
Latitude 26.6771		☒ dd ☐ dms		Longitude -81.998575		☒ dd ☐ dms		Salinity (ppt) 0.32		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	
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
------------------	-----------	-----------------	----------------------------	--------------	-----------

Group: A	Bottle Type:	PT-50ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
BLOOM-ID							
Group: B	Bottle Type:	BG-250ML-WDMT H	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
W-MCYST-AA							
Group: C	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
CHLSUITE-W							
Group: C	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
W-E8321-DI							
W-E8321-MS							
Group: C	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	
W-NH3							
W-NO2NO3							
W-S-A-TP							
W-TKN							
Group: C	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	
W-PO4-F							



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

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

RQ - 2020-08-31-60		Collected By: KATHRYN MCBRIDE									
Customer: CITY OF CAPE CORAL	Field Report Prepared By: KRAIG HANKINS		KATHRYN MCBRIDE								
Project ID: CC-090120-004	Sampling Agency: CITY OF CAPE CORAL										
Location: MAKAI CANAL 2		Comments:									
Field ID: CC-090120-004		Coordinates: N 26.68820 W -81.995424									
		Collection Equip:									
WIN ID:	High Tide Time: N/A	Low Tide Time: N/A									
Matrix: FRESH, STORM WATER	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)	
9/1/20	13:58	19.0	14.37	30.57	7.77	0.33	0.39	N/A	0.694	0.33	
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							
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					
	Acid Lot:			Exp:							
Filtered Nutrients (P125mL)	☐ W-PO4-F		☐ Field Filtered 0.45µm Filter		☐ Ice						
			Filter Lot #								
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C			☐ Ice	Lugols? Y / N						
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:		Date/Time					
KRM	9/01/20 3:20	4 TOTAL									

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WQAP

Project ID: BLOOM-RESP

Requester: Amelia G. Rankin

Collected By: KATHRYN MCBRIDE

Field Report Prepared By: KRAIG HANKINS

Sampling Agency: KATHRYN MCBRIDE

CITY OF CAPE CORAL

Location MAKAI CANAL 2		☐ Comp ☐ Grab		Collection (comp begin or grab) Date 9/1/20 Time 13:58		Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID CC-090120-004		Matrix (type, e.g., Salt, Fresh, etc) FRESH, STORMWATER		Diss. Oxygen 194.0		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) N/A			
WIN/STORET #		Temp (C) 30.57		pH 7.77		Sample Depth 0.694		☐ ft ☒ m		Sp. Conductance (umho/cm)	
Latitude 26° 6' 88.20"		☒ dd ☐ dms		Longitude -81° 99' 54.24"		☒ dd ☐ dms		Salinity (ppt) 8.33		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	
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
------------------	-----------	-----------------	----------------------------	--------------	-----------

Group: A	Bottle Type:	PT-50ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	BLOOM-ID					
Group: B	Bottle Type:	BG-250ML-WDMT H	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-MCYST-AA					
Group: C	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: C	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-E8321-DI					
	W-E8321-MS					
Group: C	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
Group: C	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					

Date of Request: 26-AUG-2020
 Created By: RANKIN_A On: 26-AUG-2020
 Modified By: JASROTIA_P On: 27-AUG-2020
 Customer: WQAP
 Project: BLOOM-RESP
 Division:
 District:
 Event Description: Algal Bloom Response - SWD

Send Coolers To:

Phone: 2395740745
 Public Works City of Cape Coral
 815 Nicholas Parkway E
 Cape Coral, FL 33901
 Attn: Maya Robert
 Cooler Ship EMail: mrobert@capecoral.net

Priority: 1
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 27-AUG-2020
 Biology Request Reviewed By: JASROTIA_P On: 27-AUG-2020
 Sampling Kit Required: YES Ship on: 28-AUG-2020
 Sampling Kit Shipped: YES On: 27-AUG-2020
 Sampling Kit Packed By: AYRES_J
 Preservatives Needed: YES
 Date to Receive Samples: 31-AUG-2020
 Logged In By:

Send Final Report To:

DEP SO ROC
 2295 Victoria Ave
 Fort Myers, FL 33901
 Attn: Kirby Wolfe
 Report Notification EMail:
 kirby.wolfe@dep.state.fl.us;mrobert@capecoral.net

Comments: 2 - vials of sulfuric acid/2 labels

Bottle Groups A/B - separate event, priority 1
 Bottle Group C - separate event, priority 3

Bottle Group A - Priority 1 (6 kits)
 For algal dominant taxon.

Bottle Group B - Priority 1 (6 kits)
 For toxin testing

Bottle Group C - Priority 3 (2 kits)
 For nutrients, chlorophyll, and tracers

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-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 6 Samples:

Bottle Type: BG-250ML-WDMTH Number of Bottles: 6 Preserved With: ICE
 W-MCYST-AA Template: DEFAULT (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS

Bottle Group C (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-500ML Number of Bottles: 2 Preserved With: ICE
 W-E8321-DI Template: DEFAULT (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
 W-E8321-MS Template: DEFAULT (EPA 8321B) Pesticides, herbicides, and other chemicals 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

Bottle Group C (Water) With 2 Samples:

Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H2SO4
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: 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

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