

RQ-2020-03-02-71

Login Checklist

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | GreyhoundDate/Time of Receipt: 09/15/2020 @ 10:00

*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	
1.4°C				12		x			12784011 4162

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# _____
- 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: Tylwr

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: Tylwr

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

Yes _____ No _____ NA ☒ Init: Tylwr

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

Coolers Unpacked/Checked by: TylwrDate: 09/15/2020Event contains NCRs (Y/N)? None

Event ID: _____

Cape Coral Algal Bloom Response
WQAP-2020-09-15-01 (BLOOM-RESP)

Page 1 of 2, 06/15/2020, FORM LD-020-1.22

Date Received: 15-SEP-2020 10:00

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	#4 Temp Gun EXP:11/05/2020
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	231019 EXP:11/01/2022
Chlorine Test Strips	8261 EXP:07/2021

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: _____

Cape Coral Algal Bloom Response

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WQAP

Requester: Kirby Wolfe

Field Report Prepared By:

HARRY PHILLIPS
KATHRYN MCBRIDE

Project ID: BLOOM-RESP

Collected By:

Sampling Agency:

Location <u>Boris Canal</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>9-14-20</u> Time <u>10:42</u>		<u>Eastern</u> Central	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2) <u>A, B and C</u>
Field ID <u>CC-09A20-003</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>50.6</u>		☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C) <u>27.124</u>	pH <u>7.58</u>	Sample Depth <u>.28</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>744</u>		
Latitude <u>26 36.647</u> ☐ dd ☐ dms	Longitude <u>82 01.361</u> ☒ dd ☐ dms	Salinity (ppt) <u>.36</u>		Comments				
Location <u>Shaughnessy</u>		☐ Comp ☐ Grab	Collection (comp begin or grab) Date <u>9-14-20</u> Time <u>11:00</u>		<u>Eastern</u> Central	Composite end Date _____ Time _____		Bottle Group(s) <u>A, B, C</u>
Field ID <u>CC-09A20-004</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>41.2</u>		☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C) <u>26.896</u>	pH <u>7.60</u>	Sample Depth <u>.24</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>636</u>		
Latitude <u>26 35.987</u> ☐ dd ☐ dms	Longitude <u>82 00.413</u> ☒ dd ☐ dms	Salinity (ppt) <u>.31</u>		Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____		<u>Eastern</u> 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	Longitude	Salinity (ppt)		Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____		<u>Eastern</u> 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	Longitude	Salinity (ppt)		Comments				

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By: <u>Tyler R.</u>	Date/Time <u>09/15/2020 @ 10:00</u>
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Cyanobacteria Bloom Response Field Data Sheet (2019-12-16 v4)

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

RQ - 2020-63-02-71		Collected By: KATHRYN MOBRIDE								
Customer: CITY OF CAPE CORAL	Field Report Prepared By: HARRY PHILLIPS		KATHRYN MOBRIDE							
Project ID: CC-091420-003	Sampling Agency: CITY OF CAPE CORAL									
Location: BORIS CANAL		Comments: RQ ON SUBMITTAL FORM DOES NOT MATCH BOTTLES								
Field ID: CC-091420-003		Coordinates: 26 36.647 -81 01.361	Collection Equip:							
WIN ID:	High Tide Time: N/A	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 (PPT)
9/14/20	10:42	50.6	4.02	27.124	7.58	.28	.64	7.64	744	.36
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: FLECKS	☐ 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			2				
Chlorophyll (BP-1L)	☒ CHLSUITE-W		☒ Ice			2				
Toxins (BG-WD250)	☒ W-MCYST-AA		☒ Ice			2				
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☒ Ice		☒ H2SO4	☒ <2	2			
	Acid Lot: SA 9301030	Exp: 10/28/20								
Filtered Nutrients (P125mL)	☒ W-PO4-F		☐ Field Filtered 0.45µm Filter		☒ Ice		2			
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C		☒ Ice		Lugols? Y / N		2			
Relinquished By: KRM	Date/Time: 9/14/20 11:40	Number of Coolers Shipped: 2 TOTAL		Received By:	Date/Time:					



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: KATHRYN MCBRIDE									
Project ID: CC-091A20-004	Sampling Agency: CITY OF CAPE CORAL									
Location: SHAUGHNESSY		Comments: RQ ON SUBMITTAL FORM DOES NOT MATCH BOTTLES								
Field ID: CC-091A20-004		Coordinates: 26 35.987 - 82 00.413								
WIN ID:		Collection Equip:								
Matrix: Fresh		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 (PPTth)
9/14/20	11:00	41.2	3.29	26.896	7.60	.24	.67	>.67	636	.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: BREAKS	☐ 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		2				
Chlorophyll (BP-1L)	☒ CHLSUITE-W			☒ Ice		2				
Toxins (BG-WD250)	☒ W-MCYST-AA			☒ Ice		2				
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP			☒ Ice	☒ H2SO4	☐ <2	2			
	Acid Lot: SA9301030	Exp: 10/28/20								
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45µm Filter		☒ Ice		2			
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C			☒ Ice	Lugols? Y ☒ N		2			
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:	Date/Time					
KRM	9/14/10 11:40	2 TOTAL								

THIS COOLER

Date of Request: 18-FEB-2020
 Created By: WOLFE_K On: 18-FEB-2020
 Modified By: JASROTIA_P On: 19-FEB-2020
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District: SROC
 Event Description: Cape Coral Algal Bloom Response

Send Coolers To:

Phone: 239-574-0745 (xt 4745)
 Environmental Resources Division Public Works
 815 Nicholas Parkway E
 Cape Coral, FL 33990
 Attn: Maya Robert
 Cooler Ship EMail: mrobert@capecoral.net

Priority: 1
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 19-FEB-2020
 Biology Request Reviewed By: JASROTIA_P On: 19-FEB-2020
 Sampling Kit Required: YES Ship on: 24-FEB-2020
 Sampling Kit Shipped: YES On: 24-FEB-2020
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: YES
 Date to Receive Samples: 02-MAR-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; Gary.Snorek@dep.state.fl.us; John.Bar
 rington@floridadep.gov

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

2 - vials of sulfuric acid/2 labels

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

Bottle Group B (Water) With 2 Samples:

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

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.