

Login Checklist

RQ- 2020-01-06-15

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 9/ 15 /20 @ 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	
-0.6				12		✓			1278 4610 3350

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 ✓ 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: 9/ 15 /20

Event contains NCRs (Y/N)? N

Event ID: Cape Coral Algal Bloom Response
WQAP-2020-09-15-02 (BLOOM-RESP)

____ Date Received: 15-SEP-2020 10:00 _____

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	Temp Gun #5 EXP:11/05/2020
pH Test Strips 0 – 6	5/15/21 LOT#213316BV
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: _____

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WQAP

Requester: Kirby Wolfe

Field Report Prepared By:

HARRY PHILLIPS
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 9/14/20 Time 10:07		Eastern Central	Composite end Date Time		Bottle Group(s) (See pg 2) A, B, C
Field ID CC-091420-001		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 62.5	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C) 26.058	pH 7.59	Sample Depth .33	☐ ft ☒ m	Sp. Conductance (umho/cm) 533		
Latitude 26 37 118	☐ dd ☐ dms	Longitude - 81 59 23	☐ dd ☐ dms	Salinity (ppt) .21	Comments			
Location HIGHLANDER		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/14/20 Time 10:21		Eastern Central	Composite end Date Time		Bottle Group(s) A, B, C
Field ID CC-091420-002		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 50.6	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C) 26.298	pH 7.45	Sample Depth .29	☐ ft ☒ m	Sp. Conductance (umho/cm) 527		
Latitude 26 36.943	☐ dd ☐ dms	Longitude 81 59.551	☐ dd ☐ dms	Salinity (ppt) .25	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: KZ	Date/Time 9-15-20/1000
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Cyanobacteria Bloom Response Field Data Sheet (2019-12-16 v4)

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

RQ - 2020-01-06-15		Collected By: KATHRYN MCBRIDE								
Customer:	CITY OF CAPE CORAL	Field Report Prepared By:	HARRY PHILLIPS KATHRYN MCBRIDE							
Project ID:	CC-09A20-001	Sampling Agency:	CITY OF CAPE CORAL							
Location: MAKAI CANAL		Comments:								
Field ID: CC-09A20-001		Coordinates:	26 37 118 -81 59 855							
WIN ID:		Collection Equip:								
Matrix:	FRESH	High Tide Time:	N/A							
	Grab	Low Tide Time:								
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	10:10	62.5	5.06	26.058	7.59	.33	.74	.40	533	26
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		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	9/14/20	TOTAL = 2								

W/
THIS
COOLER



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

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

RQ - 2020-01-06-15		Collected By: KATHRYN MCBRIDE								
Customer: CITY OF CAPE CORAL	Field Report Prepared By: KATHRYN MCBRIDE HARRY PHILLIPS									
Project ID: CC-091420-002	Sampling Agency: CITY OF CAPE CORAL									
Location: HIGHLANDER CANAL		Comments:								
Field ID: CC-091420-002		Coordinates: 26 36.943 - 81 59.551								
WIN ID:		Collection Equip:								
Matrix: FRESH		High Tide Time: N/A	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)
9/14/20	10:24	50.6	4.08	26.298	7.45	.29	1.25	.45	527	.25
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		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: KRM	Date/Time: 9/14/20 11:40	Number of Coolers Shipped: TOTAL = 2		Received By:	Date/Time:					

W/ THIS COOLER

Cooler Packing Worksheet for Request: RQ-2020-01-06-15

Cape Coral Algal Bloom Response - As needed

Ship Cooler On: 12/27/2019

Customer/Project: WQAP/BLOOM-RESP

Assigned To: SHAIK_A

Requester: Kirby Wolfe

Priority: 1

239-574-0745 (xt 4745)

Environmental Resources Division Public Works

815 Nicholas Parkway E

Cape Coral, FL 33990

Attn: Maya Robert

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

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: PT-50ML

Qty: 2

Preservation: ICE

Lot # 83775003

Description: Plastic Tube 50 mL

Analysis

BLOOM-ID

Description

Assessment of dominant algal taxa in bloom or mat sample

Bottle Group: B

of Sites: 2

Date of Request: 09-DEC-2019
 Created By: WOLFE_K On: 09-DEC-2019
 Modified By: WATTS_J On: 09-MAR-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: 18-DEC-2019
 Biology Request Reviewed By: JASROTIA_P On: 19-DEC-2019
 Sampling Kit Required: YES Ship on: 27-DEC-2019
 Sampling Kit Shipped: YES On: 23-DEC-2019
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: YES
 Date to Receive Samples: 06-JAN-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;

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.

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1259810

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: BG-250ML-WDMTH

Qty: 2 Preservation: ICE

Lot # 00072862

Description: Wide Mouth Amber Glass Bottle 250 ml

Analysis

W-MCYST-AA

Description

Microcystins in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00075526

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Container ID: P-125ML

Qty: 2 Preservation: FILTER-ICE

Lot # 00075961

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: C

of Sites: 2

Container ID: BP-1L

Qty: 2 Preservation: Lugols

Lot # 1259810

Description: Brown Plastic Bottle 1L

Analysis

DTY-QN-C

PKD-QN-C

Description

No. of diatom taxa of quantitative phytoplankton sample.

No. of wet taxa of quantitative phytoplankton sample.

Cooler Packed By: 1238

Number of Coolers: 1

Date: 12-29-19

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

ID - <u>H2S04</u>	Exp _____	Lot # _____
ID - <u>LOT# SA9301030</u>	Exp _____	Lot # _____
ID - <u>EXP: 10/28/2020</u>	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2020-01-06-15

Invoice:
Customer:
Dept:
PO Number:

Date: 23Dec19
Wgt: 12.00 LBS
COD:
DV:

SHIPPING:	4.38
SPECIAL:	0.30
HANDLING:	0.00
TOTAL:	4.68

ND PPD
TRCK: 127840103349