

Log-in Checklist

RQ- 2019-06-24-60

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 6/28/19 @ 9:40

Cooler Temperature*	Samples Frozen	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
3.1				18		✓			4751 8780 9220
1.8				13		✓			4751 8780 9200

* HNO₃ and Formalin preserved samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **DOH coolers can exceed 2.0 °C above standard temperature without customer notification/confirmation.**

****Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an 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 ☒ If yes, is it intact? Yes ☐ No ☐

**Caps on tight? Yes ☒ No ☐ **Containers intact? Yes ☒ No ☐

**Sufficient Sample Volume: Yes ☒ No ☐

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes ☐ No ☒ Init: KK

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.					
Analysis	Yes	No	Analysis	Yes	No
W-1,4 DIOX			W-PC-AA-SF		
W-E8321-DI, -MS, -21			W-NP-AA-SF		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PCL-SQ-R		
W-U2060-MS			W-TR-TQ		
W-PCB-R			W-CT-CI-R		
W-PAH (-R)			W-PSNP-TQ		
W-PFAS-MS					

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

Coolers Unpacked/Checked by: KK Date: 6/28/19

NCRs (Y/N)? N

Event ID: Algal Bloom Response - SWD
WQAP-2019-06-28-01 (BLOOM-RESP)

NCR #

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

Additional Comments:

Infrared Thermometer ID:	
pH Paper 0.0 – 3.0 Lot #	220416A EXP:7/30/20
pH Paper 0 – 13 Lot #	222516 EXP:9/15/2019
Chlorine Test Strips Lot #	091417V EXP:9/2021

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes_____ No X

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes_____ If No_____

no, were samples shipped on dry ice? Yes_____ No_____

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: _____

Central Laboratory Submittal Form

Customer: WQAP

Requester: John Watts

Field Report Prepared By: M. Bearden

Project ID: BLOOM-RESP

Collected By: M. Bearden

Sampling Agency: SW ROC

Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/27/19 Time 1010	Eastern Central	Composite end Date / Time	Bottle Group(s) (See pg 2)
Field	Site Name: Tidewater Preserve Lock - Manatee River	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 8.45 219.4	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L) /
WIN/	Date: 06/27/2019	Temp (C) 31.09	pH 9.13	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 24789
Latit	☐ dd ☐ dms	Salinity (ppt) 14.90	Comments			
Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/27/19 Time 1035	Eastern Central	Composite end Date / Time	Bottle Group(s)
Field ID	Site Name: Manatee River - Near Redfish Point	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 8.22 117.9	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L) /
WIN/STC	Date: 06/27/2019	Temp (C) 31.35	pH 8.91	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 26795
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 16.29	Comments	
Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/27/19 Time 1125	Eastern Central	Composite end Date / Time	Bottle Group(s)
Field	Site Name: Braden River Mouth @ 64	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 9.14 140.8	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L) /
WIN/	Date: 06/27/2019	Temp (C) 31.89	pH 8.90	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 30165
Latit	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 18.48	Comments	
Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/27/19 Time 1150	Eastern Central	Composite end Date / Time	Bottle Group(s)
Field	Site Name: Braden River - Near 14th Ave E	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 18.11 275.9	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) /
WIN/	Date: 06/27/2019	Temp (C) 33.47	pH 9.47	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 19698
Latit	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 18.47	Comments	

Relinquished By: M. Bearden	Date/Time 6/27/19 1500	Shipping Method Fed Ex	Number of Coolers Shipped: 2	Received By: KH	Date/Time 6-28-19 19:40
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Group: A	Bottle Type:	PT-50ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
BLOOM-ID							
Group: B	Bottle Type:	BG-250ML-WDMT H	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
W-MCYST-AA							
Group: C	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
CHLSUITE-W							
Group: C	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	5
W-NH3 W-NO2NO3 W-S-A-TP W-TKN							
Group: C	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	5
W-PO4-F							
Group: D	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	Lugols	Enter Number of Bottles Sent to Lab	56
DTY-QN-C PKD-QN-C							

Algal Bloom Response - SWD

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WQAP

Requester: John Watts

Field Report Prepared By:

Project ID: BLOOM-RESP

Collected By:

Sampling Agency:

Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>6/27/19</u> Time <u>1220</u>		Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID	Site Name: Leona Ave Canal- Near Ellenton	Matrix (type, e.g., Salt, Fresh, etc) <u>Salt</u>		Diss. Oxygen <u>9.77</u> mg/L <u>150.1</u> % sat	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	<u>A, B, C, D</u>
WIN/STORET #	Date: 06/27/2019	Temp (C) <u>31.30</u>	pH <u>8.91</u>	Sample Depth <u>0.3</u> ft <u>0.3</u> m	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>29701</u>	
Latitude	☐ dd ☐ dms	Salinity (ppt) <u>18.30</u>	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: <u>M. Bearden</u>	Date/Time <u>6/27/19 1500</u>	Shipping Method <u>Fed Ex</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>KK</u>	Date/Time <u>6-28-19 / 9:40</u>
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Group: A	Bottle Type: BLOOM-ID	PT-50ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
Group: B	Bottle Type: W-MCYST-AA	BG-250ML-WDMT H	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	5
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 6	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	5
Group: D	Bottle Type: DTY-QN-C PKD-QN-C	BP-1L	# of Bottles: 6	Preservative:	Lugols	Enter Number of Bottles Sent to Lab	86

Date of Request: 24-JUN-2019
 Created By: WATTS_J On: 24-JUN-2019
 Modified By: SWANSON_C On: 24-JUN-2019
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: Algal Bloom Response - SWD

Send Coolers To:

Phone: 813-470-5951
 13051 N. Telecom Parkway

 Temple Terrace, FL 33637
 Attn: Matthew Bearden

Program Module Number:
 Priority: 1
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 24-JUN-2019
 Biology Request Reviewed By: SWANSON_C On: 24-JUN-2019
 Sampling Kit Required: YES Ship on: 25-JUN-2019
 Sampling Kit Shipped: YES On: 24-JUN-2019
 Sampling Kit Packed By: KLUG_K
 Preservatives Needed: NO
 Date to Receive Samples: 24-JUN-2019
 Received By: REAVES_S On: 27-JUN-2019

Send Final Report To:

13051 N. Telecom Parkway

 Temple Terrace, FL 33637
 Attn: Matthew Bearden

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

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

Bottle Groups A/B/C - separate event, priority 1
 Bottle Group D- separate event, priority 12

Bottle Group A - Priority 1
 For algal dominant taxon.

Bottle Group B - Priority 1
 For toxin testing.

Bottle Group C - Priority 1
 Water quality testing - nutrients and chlorophyll

Bottle Group D - 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.

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 6 Samples:

Bottle Type: BP-1L Number of Bottles: 6 Preserved With: ICE
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
 Bottle Type: P-500ML Number of Bottles: 6 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 C (Water) With 6 Samples:

Bottle Type: P-500ML	Number of Bottles: 6	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: 6	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 D (Water) With 6 Samples:

Bottle Type: BP-1L	Number of Bottles: 6	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.