

RQ-2019-11-18-69
 08-05-47TR

Login Checklist

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 11/19/2019 @ 9:50

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	
1.2°C				12		x			1278 4009 0091

*All samples received on ice unless otherwise noted. If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), received without ice, or if Evidence Seal is damaged; identify the containers in the affected cooler(s) on back of this form. HNO₃ and Formalin preserved samples do **NOT** have a temperature requirement. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation; An NCR still is required.**

**Chain of Custody/ Field Sheet(s) Included? Yes ☒ No ☐

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ☐ No ☒

****Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

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: Jylee P.
 Chlorine detected? (One container checked per Field ID) Yes ☐ No ☐ Init:
 If "YES", list affected Field IDs and Test IDs below.

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: Jylee P.
 **W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☐ NA ☒ Init: Jylee P.

Coolers Unpacked/Checked by: Jylee P. Reynolds Date: 11/19/2019 NCRs (Y/N)? No

Event ID: Algal Bloom Response - SWD NCR #
WQAP-2019-11-19-01 (BLOOM-RESP)

Samples with Incorrect pH Preservation

Field ID	Bottle Test ID(s)	pH	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:	REC_11_2019 EXP: 04/24/2019
pH Test Strips 0 – 6 Lot #	
pH Paper 0 – 3 Lot #	220416A EXP:7/30/20
pH Paper 0 – 13 Lot #	215517 EXP:6/1/20
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: _____

Cyanobacteria Bloom Response Field Data Sheet

RQ-2019-11-18-69		Collected By:	Francisco Faria							
Customer	21FLTPA	Field Report Prepared By:	Kelly Callahan							
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP SWROC							
Field ID/WIN		Comments: Center of lake								
HAB-SW-0003 										
Site Name: HAB_111819_LkDeer		Collection Equipment:	Sample bottle							
Matrix:	fresh	Grab	Coordinates:	28.0252835, -81.7629220						
Tide:	☐ Rising ☐ Falling ☐ Slack ☒ N/A	High Tide Time:	N/A	Low Tide Time: N/A						
Water Quality										
Date	Time ☒ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPT)	Secchi Disk (m)	Total Depth (m)
11-18-2019	0920	6.73	73.2	19.5	7.23	0.3	186.8	0.09	1.5	2.9
	0921	2.30 5.25	24.6 35.3	19.1	6.81	2.4	188.3	0.09		
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: _____ Algae Distribution ☒ Suspended in water column ☐ On surface ☐ Other: _____ 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	A				
Chlorophyll (BP-1L)	☒ CHLSUITE-W		☒ Ice		1	B				
Toxins (BG-WD250)	☒ W-MCYST-AA		☒ Ice		1	B				
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☒ Ice ☒ H2SO4	☒ <2	1	B				
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45um Filter	☒ Ice		1	B				
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C		☒ Ice ☒ Lugols		1	C				
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:	Date/Time					
M. Bearden	11-18-2019/1500	1		Jylee R.	11/19/19 @ 9:50					

Cyanobacteria Bloom Response Field Data Sheet

RQ-2019-11-18-69		Collected By: Francisco Faria	
Customer: 21FLTPA		Field Report Prepared By: Kelly Callahan	
Project ID: BLOOM_RESP		Sampling Agency: FDEP	
Field ID: HAB-SW-0002 		Comments: Center of lake	
Site Name: HAB_111819_ScottLk		Collection Equipment: Sample bottle	
Matrix: fresh		Coordinates: 27.9655934, -81.9403186	
Tide: ☐ Rising ☐ Falling ☐ Slack ☒ N/A		High Tide Time: N/A Low Tide Time: N/A	

Water Quality										
Date	Time ☐ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTH)	Secchi Disk (m)	Total Depth (m)
11-18-2019	1110	10.30	114.3	20.1	8.47	0.3	199.0	0.09	0.4	30
	1112	8.50	93.1	19.4	8.02	3.3	199.7	0.09		

Bloom Observations			
Algal Bloom Observed? ☒ Yes ☐ No			
Water Surface	☒ Clear	☐ Scum	☐ Slick
Water Clarity	☐ Clear	☐ Slightly Turbid	☒ Turbid
Bloom Color	☒ Green	☐ Red	☐ Brown
Algae Distribution	☒ Suspended in water column	☐ On surface	☐ Other: _____
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	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	B
Toxins (BG-WD250)	☒ W-MCYST-AA	☒ Ice		1	B
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☒ H2SO4	☒ <2	1	B
Filtered Nutrients (P125mL)	☒ W-P04-F ☒ Field Filtered 0.45um Filter	☒ Ice	☒ <2	1	B
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C	☒ Ice ☒ Lugols		1	C

Relinquished By: M. Bearden	Date/Time: 11-18-2019/1500	Number of Coolers Shipped: 1	Received By: Tyler Z.	Date/Time: 11/19/19 @ 9:50
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SULFURIC ACID <51%

DAUGHER
7762-43-9
7763-48-3

THEINER FISHER SCIENTIFIC
2520 NORTH MAIN STREET
MAAR, OK 73544
(405) 659-2111

Contents: 1.1 H2SO4

May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fumes/vapors/smoke. Wash thoroughly with water after handling. Only contact in a well-ventilated area. Wear proper protective clothing, eye protection, gloves. Waxes contaminated containing below trace. If SWALLOWED, Rinse mouth. Do NOT induce vomiting. If ON SKIN, Wash with copious amounts of immediately all contaminated clothing. Remove all skin contact. If INHALED, Remove victim to fresh air and give him or her at least 10 minutes respiration for breathing. If IN EYES, Flush with water for 15 minutes. If swallowed, give 1 cup of coffee (black), if present and easy to give. Continue to give. Waxes leached out. Waxes is extremely resistant.

Contains: 1.1 H2SO4
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

Date of Request: 18-NOV-2019
 Created By: BEARDEN_M On: 18-NOV-2019
 Modified By: JASROTIA_P On: 18-NOV-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: A
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 18-NOV-2019
 Biology Request Reviewed By: JASROTIA_P On: 18-NOV-2019
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped:
 Sampling Kit Packed By:
 Preservatives Needed: NO
 Date to Receive Samples: 18-NOV-2019
 Received By:

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 - 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.

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 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.