McCoy, Ian

From: Whiting, David D.
Sent: Monday, May 17, 2021 10:04 AM
To: Wellendorf, Nijole; McCoy, Ian; King, Michael; Bunch, Cheryl; Hogue, Alicia
Cc: Ayres, Joshua
Subject: RE: Late Cooler Arrival

Yes, analyze for cyanotoxins, out of temp won't hurt those samples.
Dave

David Whiting
Deputy Director (Laboratories and Water Quality Standards Programs)
Division of Environmental Assessment and Restoration
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399
(850) 245-8191

From: Wellendorf, Nijole <Nijole.Wellendorf@FloridaDEP.gov>
Sent: Monday, May 17, 2021 9:08 AM
To: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>; King, Michael <Michael.King@dep.state.fl.us>; Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>; Whiting, David D. <David.D.Whiting@dep.state.fl.us>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: RE: Late Cooler Arrival

Thank you, Ian. I'm copying Dave to see if we should still analyze for the cyanotoxins. Dave, the samples were out of temperature.

Thanks,
Nia

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Sent: Monday, May 17, 2021 9:05 AM
To: Wellendorf, Nijole <Nijole.Wellendorf@FloridaDEP.gov>; King, Michael <Michael.King@dep.state.fl.us>; Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: Late Cooler Arrival

Good morning, we just received RQ-2021-04-12-52 for Site NWHAB0010/Drainage to Sarah Ann Bayou, which was supposed to arrive on Friday. The short holds are past their hold times and the cooler arrived almost 10 degrees past our acceptable temperature range. I don't believe there is anything salvageable on this event unfortunately. Let me know if you have any questions, have a great day!

Login Checklist

RQ-2021-04-12-52 Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound Date/Time of Receipt: 5/17/2021 9:30

*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	IM 5/17/21
15.1				7		✓			9293 8007 9150 5

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#** 8836

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:____

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:** 5/17/2021 **Event contains NCRs (Y/N)?** Y

Event ID: Algal Bloom Response - NW ROC
WQAP-2021-05-17-01 (BLOOM-RESP)

 Date Received: 17-MAY-2021 09:30

Login Checklist

Login Preservation Equipment	Lot # & Exp: Date
Infrared Thermometer ID:	IR TEMP GUN #2 exp:10/28/21
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	219019 exp: 7/1/22
Chlorine Test Strips	0129 exp: 03/2023

Additional Comments:

Talked to Juyoung Kim and Amelia Rankin about login
-IM
5/17/21

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
CHAIN OF CUSTODY FORM

Date: 5/13/2021
Customer: NW-DIST
RQ: RQ-2021-04-12-52

Collected By: Heather Schmuki ,
Sampling Agency: FDEP
Project ID: Algal Bloom Resp.

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

Number of Coolers Shipped: 1

Delivery Method: FEDEX

FIELD ID (Labels) submitted under this RQ for this collection date.

Site Location	Field ID/WIN ID
Drainage to Sarah Ann	NWHAB0010

RELINQUISHED BY(SIGNATURE):

DATE/TIME: 05/14/21 17:55

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: IM

Rec'd/Inspected Date: 5/17/21

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: 154175 RQ- 2024-04-12-52 Project: HAB

Notes: (1) Always wait for meter to stabilize before recording any readings.
(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 2/9/24

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	H Schmidt	5/13/24	1322	22.0	765.7	8.8	8.97	101.8			P F	L F
ICV	↓	↓	1323	22.0	765.7	8.8	8.97	101.8			P F	L F
CCV		5/14/24	0746	22.2	766.9	8.8	9.09	103.3			P F	L F
CCV											P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L. **Rapid-Pulse Sensors:** DO Gain Range 0.7 to 1.4; DO Charge Range 25-75. **Optical:** DO gain range 0.85 to 1.15 (ProDSS 0.75 to 1.50); DO charge N/A. **Steady-state & Galvanic Sensors:** DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	H Schmidt	5/13/24	1324	20012416	8/24	10000	10000	P F	L F
ICV	↓	↓	1325	20012416	8/24	1000	970	P F	L F
CCV		5/14/24	0747	20103A	10/24	100	104.9	P F	L F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	H Schmidt	5/13/24	1326	20211A	5/22	7.01	22.6	7.01	-48.0	P F	L F
Calibr.	↓	↓	1328	20362G	6/22	4.00	22.2	4.02 +1S	178.8	P F	L F
Calibr.			1329	20147J	5/22	10.03	22.7	10.03	-228.8	P F	L / F
ICV			1330	20362G	6/22	4	21.8	3.91	135.8	P F	L / F
CCV		5/14/24	0748	20211A	5/22	7	22.7	6.96	-44.3	P F	L F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)
If **YES**, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 2/9/24
If **NO**, what will be used? (circle one) **Secchi Disk Line / Sonar** Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	H Schmidt	5/13/24	1334	0.00	0.00	P F	L F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

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

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

RQ - 2021-04-12-52		**Collected By:**	Heather Schmuki
Customer:	NW District	**Field Report Prepared By:**	Heather Schmuki
Project ID:	Algal Bloom Resp.	**Sampling Agency:**	FDEP- NW ROC
Location: Drainage to Sarah Ann		**Comments:**	Residents paid to have all aquatic plants removed this year and airators installed in two locations. Some construction on site.
Field ID: NWHAB0010		**Coordinates:**	30.5062816 -86.4600393
		Collection Equip:	Dipper
WIN ID:		**High Tide Time:**	11:35 **Low Tide Time:** 20:38
Matrix: FW (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 (PPTh)
5/13/21	15:30	13.66	165.8	25.5	6.41	0.3	0.669	0.5	115.5	0.05

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	A
Chlorophyll (BP-1L)	☑ CHLSUITE-W	☑ Ice		1	B
Toxins (BG-WD250)	☑ W-MCYST-AA	☑ Ice			B
Preserved Nutrients (500mL HDPE)	☑ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☑ Ice ☑ H2SO4	☑ <2	1	B
	Acid Lot:	Exp:			
Filtered Nutrients (P125mL)	☑ W-PO4-F	☑ Field Filtered 0.45um Filter; Filter Lot # ☑ Ice		1	B
Quantitative Algae	☑ DTY-QN-C / PKD-QN-C	☑ Ice	Lugols? Y / N	1	B

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
Heather Schmuki	5/13/21; 17:55	1		

RQ-2021-04-12-52

Date of Request: 24-MAR-2021
Created By: KING_M On: 24-MAR-2021
Modified By: JASROTIA_P On: 25-MAR-2021
Customer: WQAP
Project: BLOOM-RESP
Division: Division of Environmental Assessment and Restoration
District: Northwest
Event Description: Algal Bloom Response - NW ROC

Send Coolers To:

Phone: 850-595-0605
160 W Government St
Suite 208
Pensacola, FL 325602
Attn: Michael King
Cooler Ship EMail: michael.king@dep.state.fl.us

Priority: 1
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 25-MAR-2021
Biology Request Reviewed By: JASROTIA_P On: 25-MAR-2021
Sampling Kit Required: YES Ship on: 02-APR-2021
Sampling Kit Shipped: YES On: 02-APR-2021
Sampling Kit Packed By: KLUG_K
Preservatives Needed: NO
Date to Receive Samples: 12-APR-2021
Logged In By:

Send Final Report To:

2600 Blair Stone Rd
MS #6511
Tallahassee, FL 32399-2400
Attn: Nia Wellendorf
Report Notification EMail:
Nijole.Wellendorf@FloridaDEP.gov;michael.king@dep.state.fl.us;
cheryl.bunch@dep.state.fl.us;alicia.hogue@dep.state.fl.us;

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

Bottle Group A - Priority 1
For algal dominant taxon.

Bottle Group B - Priority 1
For toxin testing, nutrients, and chlorophyll
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 4 Samples:

Bottle Type: BP-1L Number of Bottles: 4 Preserved With: ICE
CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: BP-1L Number of Bottles: 4 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.
Bottle Type: BG-250ML-WDMTH Number of Bottles: 4 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: 4 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: 4 Preserved With: FILTER-ICE

Bottle Group B (Water) With 4 Samples:

Bottle Type: P-125ML Number of Bottles: 4 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.