

McCoy, Ian

From: Swanson, Cheryl
Sent: Thursday, October 29, 2020 11:08 AM
To: McCoy, Ian; Whiting, David D.
Cc: Ayres, Joshua; Rankin, Amelia; Power, Diane
Subject: RE: Sample Site Field Label Confusion

Appending Chl 2 and Chl 3 to a randomly selected bottle within each site is correct.

Cheryl

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Sent: Thursday, October 29, 2020 10:50 AM
To: Whiting, David D. <David.D.Whiting@dep.state.fl.us>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>; Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>; Power, Diane <Diane.Power@dep.state.fl.us>
Subject: Sample Site Field Label Confusion

Good morning, I received RQ-2020-10-19-57 today and found that the Chlorophylls were not marked enough to determine which site they belong to. The Field Parameters are the same for the two Sample Locations however the individual Field IDs for each Location are not marked on the bottle's Field Labels. I logged in the samples but I wanted input before I labeled the samples themselves. To prevent this in the future, adding the Chl2 or Chl3 to the bottle labels would help. Is there any difference between them?

Attached is a picture of each Location's bottles as well as a copy of the received paperwork.

Thank you for your help in this.

Ian McCoy
Laboratory Technician IV
850-245-8062
Florida Department of Environmental Protection

RQ-2020-10-19-57

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 10/29/2020 9:45

*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	
0.3 2.6				88		✓			9293 80076130 9293 800761376 IM 10/29/20
						✓			

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: 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: 10/29/2020

Event contains NCRs (Y/N)? ☒

Event ID:

Lake O Release SED
WQAP-2020-10-29-01 (LKORELEASE)
Date Received: 29-OCT-2020 09:45

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #2 exp:10/28/21
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	231019 exp: 11/1/22
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: Amelia G. Rankin

Field Report Prepared By: Drew Liddick

Project ID: LKORELEASE

Collected By: Drew Liddick Alexander Miranda

Sampling Agency: 21FLWPR

Location <u>S308-East</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>10/28/2020</u> Time <u>1100</u>		<u>Eastern</u> Central	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2) <u>AB</u> <u>C</u>
Field ID <u>S308-East-ch12</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>7.08</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____		
WIN/STORET #		Temp (C) <u>26.9</u>	pH <u>7.93</u>		Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>377.7</u>	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms		Salinity (ppt) <u>0.18</u>	Comments				
Location <u>S308-East</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>10/28/2020</u> Time <u>1100</u>		<u>Eastern</u> Central	Composite end Date _____ Time _____		Bottle Group(s) <u>C</u>
Field ID <u>S308-East-ch13</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>7.08</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____		
WIN/STORET #		Temp (C) <u>26.9</u>	pH <u>7.93</u>		Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>377.7</u>	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms		Salinity (ppt) <u>0.18</u>	Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____		Eastern Central	Composite end Date _____ Time _____		Bottle Group(s) <u>C</u>
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) <u>AB</u>
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>FDEP</u>	Date/Time <u>1345 10/28/2020</u>	Shipping Method <u>FEDEX</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>IM</u>	Date/Time <u>10/29/20 9:45</u>
---------------------------------	-------------------------------------	---------------------------------	--	---------------------------	-----------------------------------

Group: A	Bottle Type:	PT-50ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
ALGAL_ID						
Group: B	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	Lugols	Enter Number of Bottles Sent to Lab _____
DTY-QN-C						
PKD-QN-C						
Group: B	Bottle Type:	BG-250ML-WDMT H	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
W-MCYST-AA						
Group: B	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
W-NH3						
W-NO2NO3						
W-S-A-TP						
W-TKN						
Group: B	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab _____
W-PO4-F						
Group: C	Bottle Type:	BP-1L	# of Bottles: 12	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
CHLSUITE-W						

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WQAP

Requester: Amelia G. Rankin

Field Report Prepared By:

Drew Liddick

Project ID: LKORELEASE

Collected By:

Drew Liddick Alexander Miranda

Sampling Agency:

21FLWPB

Location <u>S308-Lakeside</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>10/28/2020</u> Time <u>1030</u>		<u>Eastern</u> Central	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2)
Field ID <u>S308-Lakeside</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>7.17</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____		<u>A, B, C</u>
WIN/STORET #		Temp (C) <u>26.6</u>	pH <u>8.04</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>378.7</u>		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <u>0.18</u>	Comments					
Location <u>S308-Lakeside</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>10/28/2020</u> Time <u>1030</u>		<u>Eastern</u> Central	Composite end Date _____ Time _____		Bottle Group(s)
Field ID <u>S308-Lakeside-Ch12</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>7.17</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____		<u>C</u>
WIN/STORET #		Temp (C) <u>26.6</u>	pH <u>8.04</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>378.7</u>		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <u>0.18</u>	Comments					
Location <u>S308-Lakeside</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>10/28/2020</u> Time <u>1030</u>		<u>Eastern</u> Central	Composite end Date _____ Time _____		Bottle Group(s)
Field ID <u>S308-Lakeside-Ch13</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>7.17</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____		<u>C</u>
WIN/STORET #		Temp (C) <u>26.6</u>	pH <u>8.04</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>378.7</u>		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <u>0.18</u>	Comments					
Location <u>S308-East</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>10/28/2020</u> Time <u>1100</u>		<u>Eastern</u> Central	Composite end Date _____ Time _____		Bottle Group(s)
Field ID <u>S308-East</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>7.08</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____		<u>A, B, C</u>
WIN/STORET #		Temp (C) <u>26.9</u>	pH <u>7.93</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>377.7</u>		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <u>0.18</u>	Comments					

Relinquished By: <u>FDEP</u>	Date/Time <u>1345 10/28/2020</u>	Shipping Method <u>FEDEX</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>IM</u>	Date/Time <u>10/29/20 9:45</u>
---------------------------------	-------------------------------------	---------------------------------	--	---------------------------	-----------------------------------

* Added to match received
Samples - IM 10/29/20

Group: A	Bottle Type:	PT-50ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>42</u>
ALGAL_ID							
Group: B	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	Lugols	Enter Number of Bottles Sent to Lab	<u>42</u>
DTY-QN-C							
PKD-QN-C							
Group: B	Bottle Type:	BG-250ML-WDMT H	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>42</u>
W-MCYST-AA							
Group: B	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>42</u>
W-NH3							
W-NO2NO3							
W-S-A-TP							
W-TKN							
Group: B	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>42</u>
W-PO4-F							
Group: C	Bottle Type:	BP-1L	# of Bottles: 12	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>8</u>
CHLSUITE-W							

Date of Request: 15-OCT-2020
 Created By: RANKIN_A On: 15-OCT-2020
 Modified By: SWANSON_C On: 15-OCT-2020
 Customer: WQAP
 Project: LKORELEASE
 Division:
 District:
 Event Description: Lake O Release SED

Send Coolers To:

Phone: 7724485884
 2199 South Rock Rd

 Ft. Pierce, FL 34945
 Attn: Jordan Skaggs
 Cooler Ship EMail: Jordan.Skaggs@FloridaDEP.gov

Priority: 1
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 15-OCT-2020
 Biology Request Reviewed By: JASROTIA_P On: 15-OCT-2020
 Sampling Kit Required: YES Ship on: 16-OCT-2020
 Sampling Kit Shipped: YES On: 16-OCT-2020
 Sampling Kit Packed By: AYRES_J
 Preservatives Needed: NO
 Date to Receive Samples: 27-OCT-2020
 Logged In By: KLUG_K On: 27-OCT-2020

Send Final Report To:

2600 Blair Stone Rd

 Tallahassee, FL 32399-2400
 Attn: Dave Whiting
 Report Notification EMail: David.D.Whiting@FloridaDEP.gov

Comments: 4 locations, 1 bottle each: ALGAL-ID, toxins, nutrients, and full ID; 3 bottles each chlorophyll

All Bottle Groups - one event

Bottle Group A
 For algal dominant taxon

Bottle Group B
 For toxin texting, nutrients, full ID

Bottle Group C
 For chlorophyll

Please print two copies of algal job labels at login.

Bottle Group A (Biological) With 4 Samples:

Bottle Type: PT-50ML Number of Bottles: 4 Preserved With: ICE
 ALGAL_ID Template: DEFAULT (SOP-AB05) Qualitative assessment of algal taxa present without counts

Bottle Group B (Water) With 4 Samples:

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
 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 12 Samples:

Bottle Type: BP-1L Number of Bottles: 12 Preserved With: ICE

Bottle Group C (Water) With 12 Samples:

Bottle Type: BP-1L Number of Bottles: 12 Preserved With: ICE
CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.