

McCoy, Ian

From: Reistad, Nicole
Sent: Thursday, April 1, 2021 5:01 PM
To: McCoy, Ian; Wolfe, Kirby; Snorek, Gary; Carroll, Miranda; Hormuth, Chris
Cc: Ayres, Joshua
Subject: RE: Lugol Samples

Hi Ian,

Yes, these sites were supposed to have Lugols samples. Thank you for checking in with us.



Nicole Reistad
Environmental Specialist II
Environmental Assessment and Restoration – South ROC
Florida Department of Environmental Protection
2295 Victoria Avenue Suite 364
Fort Myers, FL 33901
Nicole.Reistad@FloridaDEP.gov
Office: 239-344-5718

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Sent: Thursday, April 1, 2021 4:46 PM
To: Reistad, Nicole <Nicole.Reistad@FloridaDEP.gov>; Wolfe, Kirby <Kirby.Wolfe@FloridaDEP.gov>; Snorek, Gary <Gary.Snorek@dep.state.fl.us>; Carroll, Miranda; Hormuth, Chris <Chris.Hormuth@FloridaDEP.gov>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: FW: Lugol Samples

Good afternoon, just touching base again to see if there's been an update on this. Nothing serious, just want to confirm the data goes to the right place.

From: McCoy, Ian
Sent: Thursday, April 1, 2021 11:07 AM
To: Hormuth, Chris <Chris.Hormuth@FloridaDEP.gov>; Mullen, William <William.Mullen@FloridaDEP.gov>
Cc: Ayres, Joshua (<Joshua.Ayres@dep.state.fl.us> <Joshua.Ayres@dep.state.fl.us>
Subject: Lugol Samples

Good morning, I received two Lugol samples that weren't indicated on the paperwork. I just wanted to confirm that "Bonnet Lake @ Middle" and "LittleRedWaterLake@Mid" were supposed to have these samples. I can do the edits, I just wanted confirmation first. Attached is a picture of the samples. Have a great day!

From: Hormuth, Chris <Chris.Hormuth@FloridaDEP.gov>
Sent: Wednesday, March 31, 2021 3:07 PM
To: Lab.Receiving <Lab.Receiving@floridadep.gov>
Cc: Mullen, William <William.Mullen@FloridaDEP.gov>
Subject: RQ-2021-02-15-39

Packet attached.



Chris Hormuth
Environmental Specialist II
Division of Environmental Assessment and
Restoration
Florida Department of Environmental Protection
South District Office
2295 Victoria Ave, Suite 364
Fort Myers, FL 33901
Office: (239)-344-5610
Chris.Hormuth@floridadep.gov

RQ-2021-02-15-39

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 4/1/2021 9:45

*Cooler Temperature	Samples Frozen? YES	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler IM 4/1/21	Evidence Tape				Waybill Tracking #
		HNO ₃	Formalin		Present?		*Intact?		
					Yes	No	Yes	No	
1.0 0.4				12 4		✓			9293 8010 1362 9293 8011 2484

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: 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: 4/1/2021

Event contains NCRs (Y/N)? ☒Event ID: 2021 SMP : Sebring Lakes
SO-DIST-2021-04-01-01 (SMP)

Page 1 of 2, 06/15/2 Date Received: 01-APR-2021 09:45

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	231019 exp: 11/1/22
Chlorine Test Strips	0129 exp: 03/2023

Additional Comments:

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: 3/31/2021
Customer: SO-DIST
RQ: RQ-2021-02-15-39
Collected By: William Mullen, Chris Hormuth
Sampling Agency: FDEP
Project ID: SMP

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

Number of Coolers Shipped: 2

Delivery Method: FedEx

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

Site Location	Field ID/WIN ID
Lake Glenada	 G4SD0179
Little Red Water Lake @ Middle	 G4SD0171
Bonnet Lake @ Middle	 G4SD0170
Little Lake Jackson	 G4SD0183

RELINQUISHED BY(SIGNATURE):



DATE/TIME:

03/31/2021 1400

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

IM

Rec'd/Inspected

Date:

4/1/21

IM

4/1/21



RQ-2021-02-15-39	Collected By: William Mullen, Chris Hormuth
Customer: FDEP	Field Report Prepared by: William Mullen, Chris Hormuth
Project ID: SMP	Sampling Agency: FDEP

WIN ID/Field ID: 
WIN ID/Field ID: G4SD0179

Location: Lake Glenada

Matrix: Fresh

Comments:

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPTH)
3/31/2021 1015	9.93	122.6	26.1	9.23	0.3	1.5	10	197.7	0.09

Central Lab please use top row for login purposes

Parameter Suite	Parameter Methods						Preservation		pH Check		# Bottles sent to Lab	Bottle Group			
Preserved Nutrients (P-500ML)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				X	Ice	X	H2SO4*	X	<2	1	A		
	Lot #		SA0353110		Exp:		1/11/22								
Metals (P-500ML)		W-ICPMS		W-ICP		W-HARD			Ice		HNO3*		<2		
	Lot #		Exp:												
Filtered Nutrients (P125ML)	X	W-PO4-F		X	Field Filtered 0.45 um Filter			X	Ice				1	A	
	Filter Lot #		17101170												
	Syringe Lot #		118593												
Chlorophyll (BP-1L)	X	CHLSUITE-W				X	Ice		1	A					
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W- TDS				X	Ice		1	A					
Physical/Aggregate (Marine) (P-1L)	Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				Ice										
Macroinvertebrates (PJ-2L)	MI-FW-QLDC				Ice										
Periphyton (PT-50ML)	ALGAE-ID				Ice										
Microbiology (Contract Lab Bottle)	E Coli		F Coli		Enterococci		Ice								
	Contract Lab														
Molecular (QPCR-P-500ML)	PCR-HF183		PCR-BacR		PCR-DG3		Ice								
	PCR-GULL2		PCR-GFD												
Tracers (BG-500ML)	W-E8321-DI		W-E8321-MS				Ice								
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI		W-E8321-MS		W-PSNP-TQ		Ice								
					W-DIELDRIN										
	W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R										
Phytoplankton	DTY-QN-C		PKD-QN-BV				Ice								



RQ-2021-02-15-39

Customer: FDEP

Project ID: SMP

Collected By: Chris Hormuth, William Mullen

Field Report Prepared by: Chris Hormuth, William Mullen

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G4SD0171

Location: Little Red Water Lake @ Middle

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTH					
3/31/2021 1110	7.55	93.8	26.4	7.15	0.3	1.2	1.9	115.4	0.05					
Central Lab please use top row for login purposes														
Parameter Suite		Parameter Methods				Preservation		pH Check		# Bottles sent to Lab	Bottle Group			
Preserved Nutrients (P-500ML)		X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				X	Ice	X	H2SO4*	X	<2	1	A
		Lot #		SA0353110		Exp:		1/11/22						
Metals (P-500ML)			W-ICPMS		W-ICP	W-HARD		Ice		HNO3*		<2		
		Lot #				Exp:								
Filtered Nutrients (P125ML)		X	W-PO4-F		X	Field Filtered 0.45 um Filter		X	Ice				1	A
		Filter Lot #		17101170										
		Syringe Lot #		118593										
Chlorophyll (BP-1L)		X	CHLSUITE-W				X	Ice				1	A	
Physical/Aggregate (Fresh) (P-1L)		X	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS				X	Ice				1	A	
Physical/Aggregate (Marine) (P-1L)			Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY					Ice						
Macroinvertebrates (PJ-2L)			MI-FW-QLDC					Ice						
Periphyton (PT-50ML)			ALGAE-ID					Ice						
Microbiology (Contract Lab Bottle)			E Coli		F Coli	Enterococci		Ice						
		Contract Lab												
Molecular (QPCR-P-500ML)			PCR-HF183		PCR-BacR	PCR-DG3		Ice						
			PCR-GULL2		PCR-GFD									
Tracers (BG-500ML)			W-E8321-DI		W-E8321-MS			Ice						
Pesticides (BG-500ML) (BG-1L)			W-E8321-DI		W-E8321-MS	W-PSNP-TQ		Ice						
						W-DIELDRIN								
			W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R							
Phytoplankton		X	DTY-QN-C		X	PKD-QN-BV	X	Ice			1	B		

RQ-2021-02-15-39

Collected By: Chris Hormuth, William Mullen

Taken from Email -IM

4/1/21



Customer: FDEP

Field Report Prepared by: Chris Hormuth, William Mullen

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID: 
 WIN ID/Field ID: G4SD0170

Comments:

Location: Bonnet Lake @ Middle

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

Matrix: FRESH															
Date and Time	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTH)						
3/31/2021 1150	6.98	86.4	26.5	7.07	0.3	0.7	2.8	239.8	0.11						
Central Lab please use top row for login purposes															
Parameter Suite		Parameter Methods				Preservation		pH Check		# Bottles sent to Lab	Bottle Group				
Preserved Nutrients (P-500ML)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				X	Ice	X	H2SO4*	X	<2	1	A		
		Lot #		SA0353110		Exp:		1/11/22							
Metals (P-500ML)		W-ICPMS		W-ICP		W-HARD			Ice		HNO3*		<2		
		Lot #				Exp:									
Filtered Nutrients (P125ML)	X	W-PO4-F		X	Field Filtered 0.45 µm Filter			X	Ice			1	A		
		Filter Lot #		17101170											
		Syringe Lot #		118593											
Chlorophyll (BP-1L)	X	CHLSUITE-W				X	Ice					1	A		
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS				X	Ice							1	A
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY					Ice								
Macroinvertebrates (PJ-2L)		MI-FW-QLDC					Ice								
Periphyton (PT-50ML)		ALGAE-ID					Ice								
Microbiology (Contract Lab Bottle)		E Coli		F Coli		Enterococci							Ice		
		Contract Lab													
Molecular (QPCR-P-500ML)		PCR-HF183		PCR-BacR		PCR-DG3					Ice				
		PCR-GULL2		PCR-GFD											
Tracers (BG-500ML)		W-E8321-DI		W-E8321-MS				Ice							
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		W-E8321-MS		W-PSNP-TQ		Ice							
						W-DIELDRIN									
		W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R									
Phytoplankton	X	DTY-QN-C		X	PKD-QN-BV		X	Ice			1	B			

RQ-2021-02-15-39

Collected By: William Mullen, Chris Hormuth

Taken from Email
-IM 4/1/21



Customer: FDEP	Field Report Prepared by: William Mullen, Chris Hormuth
Project ID: SMP	Sampling Agency: FDEP

WIN ID/Field ID:  WIN ID/Field ID: G4SD0183 Location: Little Lake Jackson	Comments:
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Matrix: Fresh	(Check One) ☒ Grab ☐ Composite
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Date and Time	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPTH)
3/31/2021 1235	11	137.6	27	9.82	0.3	0.7	6.6	125.3	0.06

Central Lab please use top row for login purposes

Contract Lab - please add top row for login purposes																	
Parameter Suite		Parameter Methods						Preservation			pH Check		# Bottles sent to Lab		Bottle Group		
Preserved Nutrients (P-500ML)		X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP						X	Ice	X	H2SO4*		X	<2	1	A
		Lot #		SA0353110		Exp:		1/11/22									
Metals (P-500ML)			W-ICPMS		W-ICP		W-HARD			Ice		HNO3*			<2		
		Lot #				Exp:											
Filtered Nutrients (P125ML)		X	W-PO4-F		X	Field Filtered 0.45 um Filter				X	Ice				1	A	
		Filter Lot #		17101170													
		Syringe Lot #		118593													
Chlorophyll (BP-1L)		X	CHLSUITE-W						X	Ice		1					A
Physical/Aggregate (Fresh) (P-1L)		X	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS						X	Ice		1			A		
Physical/Aggregate (Marine) (P-1L)			Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY							Ice							
Macroinvertebrates (PJ-2L)			MI-FW-QLDC							Ice							
Periphyton (PT-50ML)			ALGAE-ID							Ice							
Microbiology (Contract Lab Bottle)		E Coli			F Coli			Enterococci			Ice						
		Contract Lab															
Molecular (QPCR-P-500ML)		PCR-HF183			PCR-BacR			PCR-DG3			Ice						
		PCR-GULL2			PCR-GFD												
Tracers (BG-500ML)		W-E8321-DI			W-E8321-MS					Ice							
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI			W-E8321-MS			W-PSNP-TQ			Ice						
						W-DIELDRIN											
		W-PCL-SQ-R			W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R										
Phytoplankton		DTY-QN-C			PKD-QN-BV												

Date of Request: 27-JAN-2021
 Created By: HORMUTH_C On: 27-JAN-2021
 Modified By: JASROTIA_P On: 28-JAN-2021
 Customer: SO-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: South District
 Event Description: 2021 SMP : Sebring Lakes

Send Coolers To:

Phone: 239-344-5718
 FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901-3381
 Attn: Chris Hormuth
 Cooler Ship EMail: Chris.Hormuth@FloridaDEP.gov

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 28-JAN-2021
 Biology Request Reviewed By: JASROTIA_P On: 28-JAN-2021
 Sampling Kit Required: YES Ship on: 05-FEB-2021
 Sampling Kit Shipped: YES On: 01-FEB-2021
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 15-FEB-2021
 Logged In By:

Send Final Report To:

FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901-3381
 Attn: Chris Hormuth
 Report Notification EMail:
 Nicole.Reistad@FloridaDEP.gov;Kirby.Wolfe@dep.state.fl.us;Ga
 ry.Snorek@dep.state.fl.us;Miranda.Carroll@FloridaDEP.gov;Chri
 s.Hormuth@FloridaDEP.gov

Comments: Group A: Freshwater Nutrients
 Group B: (Red, Bonnet) Phytoplankton

Receiving, log algae samples in under separate Event, Priority 12

Bottle Group A (Water) With 4 Samples:

Bottle Type: P-1L	Number of Bottles: 4	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO ₃ /L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO ₄ -IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-2011) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
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: P-500ML	Number of Bottles: 4	Preserved With: ICE And H ₂ SO ₄
W-NH ₃	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO ₂ NO ₃	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
W-TOC	Template: DEFAULT	(SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 4	Preserved With: FILTER-ICE
W-PO ₄ -F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group B (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-BV	Template: DEFAULT	(SOP-AB05) No. of wet taxa of quantitative phytoplankton sample w/speciation and cell counts.

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