

Lebrun, Torres

From: Slade, Christopher "Stopher"
Sent: Thursday, April 13, 2023 09:51
To: Lebrun, Torres; Olin, Brook
Cc: Klug, Kyle; Musson, Curtis
Subject: RE: RQ-2023-04-10-37

Thanks for the update.

From: Lebrun, Torres <Torres.Lebrun@FloridaDEP.gov>
Sent: Thursday, April 13, 2023 8:23 AM
To: Olin, Brook <Brook.Olin@FloridaDEP.gov>
Cc: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; Slade, Christopher "Stopher" <Christopher.Slade@dep.state.fl.us>; Musson, Curtis <Curtis.Musson@FloridaDEP.gov>
Subject: RE: RQ-2023-04-10-37

Good morning.

This RQ arrived late and out of temperature. Based on SMP protocols, only overflow microbiology and metals samples will be logged in.

Sorry for any inconveniences.

From: Olin, Brook <Brook.Olin@FloridaDEP.gov>
Sent: Tuesday, April 11, 2023 15:31
To: Lab.Receiving <Lab.Receiving@floridadep.gov>
Subject: RQ-2023-04-10-37

Attached.



Brook Olin
Florida Department of Environmental Protection
Division of Environmental Assessment & Restoration
Water Quality Monitoring Program
Environmental Specialist II
Brook.olin@FloridaDEP.gov
Office: 850-245-8511

Login Checklist

RQ- 2023-04-10-37

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 04/ 13 /2023@ 09:09

*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	
6.9				11		✓			585947347057

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/ FieldSheet(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: TL

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: TL

**W-1-4-DIOX (Green dot on container) preserved to pH< 4.0?

Yes _____ No _____ NA ✓ Init: TL

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

Coolers Unpacked/Checked by: TL

Date: 04/ 13 /2023

Event contains NCRs (Y/N)? N

EventID: NW Run
NW-DIST-2023-04-13-03 (SMP)

— Date Received: 13-APR-2023 09:09

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Infrared Thermometer ID:	IR TEMP GUN #4 Exp:10/17/2023
pH Test Strips 0 – 6	LOT# 223819AV Exp: AUG 30, 2023
pH Paper 0 – 3	N/A
pH Paper 0 – 13	LOT# 207621 Exp: March 15, 2024
Chlorine Test Strips	LOT# 1196 Exp: Feb. 2024

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# _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 4/11/2023
Customer: NW-DIST
RQ: RQ-2023-04-10-37
Collected By: Brook Olin, Hannah Henning
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
WIGGINS BRANCH BELOW HIGHWAY 29	 G4NW0163
BIG ESCAMBIA CREEK DOWNSTREAM OF FANNIE RD	 G4NW0421
LITTLE PINE BARREN CREEK ABOVE CR99	 G4NW0420
MCDavid CREEK 100 M UPSTREAM SR99	 G5NW0150
BRUSHY CREEK UPSTREAM OF ARTHUR BROWN RD	 G5NW0002

RELINQUISHED BY (SIGNATURE):



DATE/TIME: 4/11/2023
1600 CEN

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: TL

Rec'd/Inspected Date: 4/13/23



RQ-2023-04-10-37

Collected By: Brook Olin, Hannah Henning

Customer: FDEP

Field Report Prepared by: Brook Olin, Hannah Henning

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID: 
 WIN ID/Field ID: G4NW0163

Comments: Microbiology sample(s) submitted to contract laboratory.

Location: WIGGINS BRANCH BELOW HIGHWAY 29

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPTH)
4/11/2023 950	7.42	75	16.2	5.31	0.05	0.1	0.1	30	0.01

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	B		
		Lot #		2299040	Exp:	11/04/23								
Metals (P-500ML)	X	W-ICPMS	X	W-ICP	X	W-HARD	X	Ice	X	HNO3*	X	<2	1	B
		Lot #		2126030	Exp:	06/02/2023								
Filtered Nutrients (P125ML)		W-PO4-F		Field Filtered 0.45 um Filter			Ice							
		Filter Lot #		Syringe Lot #										
BOD (BP-1L)		OV-BODUNIN					Ice							
Chlorophyll (BP-1L)	X	CHLSUITE-W				X	Ice			1	B			
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS				X	Ice			1	B			
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY					Ice							
Macroinvertebrates (PJ-2L)		MI-FW-QLDC		Formalin Lot #			Formalin							
Periphyton (PT-50ML)		ALGAE-ID					Ice							
Microbiology (Contract Lab Bottle)	X	E Coli		F Coli		Enterococci	X	Ice		1	B			
	X	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	MCAA Exp.	MCAA Lot#					
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R								
		W-TR-SQ-R		W-PCB-TQ-R										
Phytoplankton		DTY-QN-C		PKD-QN-BV			Ice							
DOC		W-DOC		Field Filtered 0.45 um Filter			Ice		H2SO4*		<2			
			Add Preservative Expiration Date											
			Acid Preservative Lot Number											



RQ-2023-04-10-37	Collected By: Brook Olin, Hannah Henning
Customer: FDEP	Field Report Prepared by: Brook Olin, Hannah Henning
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G4NW0421	Comments: Microbiology sample(s) submitted to contract laboratory.

Location: BIG ESCAMBIA CREEK DOWNSTREAM OF FANNIE RD

Matrix: Fresh

(Check One)

☒ Grab

☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTH)					
4/11/2023 915	9.53	97.2	16.7	5.52	0.014	0.28	0.28	32.2	0.01					
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 #	2299040	Exp:		11/04/2023								
Metals (P-500ML)		W-ICPMS				Ice		HNO3*		<2				
		Lot #		Exp:										
Filtered Nutrients (P125ML)		W-PO4-F				Field Filtered 0.45 um Filter								
		Filter Lot #		Syringe Lot #		Ice								
BOD (BP-1L)		OV-BODUNIN				Ice								
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-F / W-TSS / TURBIDITY				Ice								
Macroinvertebrates (PJ-2L)		MI-FW-QLDC	Formalin Lot #			Formalin								
Periphyton (PT-50ML)		ALGAE-ID				Ice								
Microbiology (Contract Lab Bottle)	X	E Coli				F Coli		Enterococci	X	Ice	1	A		
	X	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)	X	W-E8321-DI	X	W-E8321-MS	X	W-PSNP-TQ					10	A		
	X	W-PCL-TQ-R	X	W-CARB-AA (5 ml of MCAA Buffer Solution)	X	W-CT-CL-R								
	X	W-TR-SQ-R	X	W-PCB-TQ-R										
Phytoplankton		DTY-QN-C				PKD-QN-BV				Ice				
DOC						Field Filtered 0.45 um Filter								
		W-DOC				Acid Preservative Expiration Date				<2				
						Acid Preservative Lot Number								



RQ-2023-04-10-37

Collected By: Brook Olin, Hannah Henning

Customer: FDEP

Field Report Prepared by: Brook Olin, Hannah Henning

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID: 
 WIN ID/Field ID: G4NW0420

Comments: Microbiology sample(s) submitted to contract laboratory.

Location: LITTLE PINE BARREN CREEK ABOVE CR99

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTH)
4/11/2023 1025	7.91	82.5	17.6	5.43	0.12	0.251	0.251	45.2	0.02

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	B		
		Lot #	2299040		Exp:	11/04/23								
Metals (P-500ML)	X	W-ICPMS	X	W-ICP	X	W-HARD	X	Ice	X	HNO3*	X	<2	1	B
		Lot #	2126030		Exp:	6/02/2033								
Filtered Nutrients (P125ML)		W-PO4-F		Field Filtered 0.45 µm Filter			Ice							
		Filter Lot #		Syringe Lot #										
BOD (BP-1L)		OV-BODUNIN					Ice							
Chlorophyll (BP-1L)	X	CHLSUITE-W				X	Ice			1	B			
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	B			
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY					Ice							
Macroinvertebrates (PJ-2L)		MI-FW-QLDC		Formalin Lot #			Formalin							
Periphyton (PT-50ML)		ALGAE-ID					Ice							
Microbiology (Contract Lab Bottle)	X	E Coli		F Coli		Enterococci	X	Ice		1	B			
	X	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	MCAA Exp.	MCAA Lot#					
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R								
		W-TR-SQ-R		W-PCB-TQ-R										
Phytoplankton		DTY-QN-C		PKD-QN-BV			Ice							
DOC		W-DOC		Field Filtered 0.45 µm Filter			Ice		H2SO4*	<2				
			Acid Preservative Expiration Date											
			Acid Preservative Lot Number											



RQ-2023-04-10-37	Collected By: Brook Olin, Hannah Henning
Customer: FDEP	Field Report Prepared by: Brook Olin, Hannah Henning
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G5NW0150	Comments: Microbiology sample(s) submitted to contract laboratory.

Location: MCDAVID CREEK 100 M UPSTREAM SR99

Matrix: Fresh

(Check One)

☒ Grab

☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPTH)
4/11/2023 1126	8.99	92.9	17.3	5.07	0.3	1.2	1.2	21.2	0.01
Parameter Suite		Parameter Methods			Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)		W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP			Ice		H2SO4*	<2	
		Lot #			Exp:				
Metals (P-500ML)		W-ICPMS			W-ICP		W-HARD	Ice	HNO3*
		Lot #			Exp:			<2	
Filtered Nutrients (P125ML)		W-PO4-F			Field Filtered 0.45 µm Filter				
		Filter Lot #			Syringe Lot #				
BOD (BP-1L)		OV-BODUNIN			Ice				
Chlorophyll (BP-1L)		CHLSUITE-W			Ice				
Physical/Aggregate (Fresh) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY / W-C-IC / W-COLOR / W-SO4-IC / W- TDS			Ice				
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY			Ice				
Macroinvertebrates (PJ-2L)		MI-FW-QLDC			Formalin Lot #		Formalin		
Periphyton (PT-50ML)		ALGAE-ID			Ice				
Microbiology (Contract Lab Bottle)		X E Coli			F Coli		Enterococci	X	
		X Contract Lab							
Molecular (QPCR-P-500ML)		PCR-HF183			PCR-BacR		PCR-DG3		
		PCR-GULL2			PCR-GFD				
Tracers (BG-500ML)		W-E8321-DI			W-E8321-MS				
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI			W-E8321-MS		W-PSNP-TQ		
		W-PCL-TQ-R			W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R		
		W-TR-SQ-R			W-PCB-TQ-R				
Phytoplankton		DTY-QN-C			PKD-QN-BV				
DOC		W-DOC			Field Filtered 0.45 µm Filter		Ice	H2SO4*	
					Acid Preservative Expiration Date			<2	
					Acid Preservative Lot Number				



RQ-2023-04-10-37

Customer: FDEP

Project ID: SMP

Collected By: Brook Olin, Hannah Henning

Field Report Prepared by: Brook Olin, Hannah Henning

Sampling Agency: FDEP

 WIN ID/Field ID: 
 WIN ID/Field ID: G5NW0002

Comments: Microbiology sample(s) submitted to contract laboratory.

Location: BRUSHY CREEK UPSTREAM OF ARTHUR BROWN RD

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT)
4/11/2023 1052	9.18	95.7	17.6	5.62	0.13	0.26	0.26	36.7	0.02

Parameter Suite	Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				Ice	H2SO4*	<2		
	Lot #		Exp:						
Metals (P-500ML)	x W-ICPMS	x W-ICP	x W-HARD	x Ice	x HNO3*	X	<2	1	C
	Lot #		Exp:		6/02/2023				
Filtered Nutrients (P125ML)	W-PO4-F		Field Filtered 0.45 µm Filter		Ice				
	Filter Lot #	Syringe Lot #							
BOD (BP-1L)	OV-BODUNIN				Ice				
Chlorophyll (BP-1L)	CHLSUITE-W				Ice				
Physical/Aggregate (Fresh) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS				Ice				
Physical/Aggregate (Marine) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY				Ice				
Macroinvertebrates (PJ-2L)	MI-FW-QLDC	Formalin Lot #		Formalin					
Periphyton (PT-50ML)	ALGAE-ID				Ice				
Microbiology (Contract Lab Bottle)	X E Coli	F Coli	Enterococci	x Ice				1	C
	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				
	W-E8321-DI	W-E8321-MS	W-PSNP-TQ			MCAA Exp.	MCAA Lot#		
Pesticides (BG-500ML) (BG-1L)	W-PCL-TQ-R	W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R	Ice				
	W-TR-SQ-R	W-PCB-TQ-R							
Phytoplankton	DTY-QN-C		PKD-QN-BV		Ice				
DOC	W-DOC		Field Filtered 0.45 µm Filter		Ice	H2SO4*	<2		
			Acid Preservative Expiration Date						
			Acid Preservative Lot Number						

Document Reference # 0510

Project: **FDEP**

Laboratory: UWF Wetlands Research Laboratory

Sampler's Initials HH/BO

Method of transport on ice by hand

Page 1 of 1

Samples delivered by Hannah H of FDEP

Date/Time: 4/11/2023 1:1230

Sample received by James Jones of WRL

Date/Time. 4/11/2023 , 1230

Instructions: Fill in **Section 1** except "Lab ID" on sample transport form completely. Each sample container must use a separate line. Place this form in a waterproof bag and place it with the samples for transport if a lead log or other chain of custody is attached; that information may be referenced on this form and the log or COC attached.

[illegible]

Comments	Sample Container lot#21347	PO# Co1214	Surface water, no chlorine expected
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RQ-2023-04-10-37

Contact organization FOEP

Contact name Stephen Blade

Phone 850-595-8300

Address 160 Governmental Center, suite 308, Pensacola, FL 32502

Sampler's name:

Other examples: SW = surface water, PW = pore water, GW = ground water, FW = Freshwater, MW = Marine Water, BW = Brackish Water, S = soil/sediment, Other X =

A codes: G = grab, C = composite, X =

^b Recorded using IRT-2

