

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 08/ 2 /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	
5.3				12		X			648484566907

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 X No

Micro-Biology Overflow Chain of Custody/ FieldSheet(s) Included? Yes X No

CONTAINER CHECK

Evidence Tape on Bottles? Yes No NA X Evidence Tape intact? Yes No

If Criminal, photographs taken? Yes No Containers intact? Yes X No

Caps on tight? Yes X No

Sufficient Sample Volume: Yes X 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 X No Init: TL

Chlorine detected? (One container checked per Field ID) Yes No X Init: TL

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 X No NA Init: TL

**W-1-4-DIOX (Green dot on container) preserved to pH< 4.0? Yes No NA X Init: TL

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

Coolers Unpacked/Checked by: TL

Date: 08/ 2 /2023

Event contains NCRs (Y/N)? N

Event ID: NW-DIST-2023-08-02-01

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

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

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:	8/1/2023	Collected By:	Frank Butera, Myranda Butler
Customer:	NW-DIST	Sampling	FDEP
RQ:	RQ-2023-07-31-24	Agency:	
		Project ID:	SCIREF

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
BOILING CREEK AT BOAT LAUNCH	 G4NW0385

RELINQUISHED BY(SIGNATURE): 	DATE/TIME: 8/1/2023 1600 CEN
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THIS SECTION TO BE COMPLETED BY LABORATORY	
Rec'd/Inspected By: TL	Rec'd/Inspected Date: 8/2/23

	RQ-2023-07-31-24					Collected By: Frank Butera, Myranda Butler								
	Customer: FDEP					Field Report Prepared by: Frank Butera, Myranda Butler								
	Project ID: SCIREF					Sampling Agency: FDEP								
WIN ID/Field ID:  WIN ID/Field ID: G4NW0385					Comments: Microbiology sample(s) submitted to contract laboratory.									
Location: BOILING CREEK AT BOAT LAUNCH														
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)					
8/1/2023 930	7.47	89.3	24.4	5	0.3	1.7	1.7	14.5	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 #	SA3013020	Exp:	01/13/2024									
Metals (P-500ML)	X	W-ICPMS	X	W-ICP	X	W-HARD	X	Ice	X	HNO3*	X	<2	1	A
		Lot #	NA2230040	Exp:	09/01/2023									
Filtered Nutrients (P125ML)	X	W-PO4-F	X	Field Filtered 0.45 um Filter		X	Ice				1	A		
		Filter Lot #	17460495	Syringe Lot #	136514									
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-CH-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 #	9.70623WB	X	Formalin				1	B		
Periphyton (PT-50ML)	X	ALGAE-ID				X	Ice				1	B		
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	X	Ice	MCAA Exp.	MCAA Lot#	5	A		
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R								
	X	W-TR-SQ-R		W-PCB-TQ-R										
Phytoplankton (BP-1L)		DTY-QN-C		PKD-QN-BV			Ice							
DOC (P-500ML)		W-DOC		Field Filtered 0.45 um Filter			Ice		H2SO 4*	<2				
			Acid Preservative Expiration Date											
			Acid Preservative Lot Number											

Document Reference # 05.1.1.0

Project: FDEP

Laboratory: Wetlands Research Laboratory

FB
Sampler's initials :

Method of transport: on ice by hand

Samples delivered by Jan Kool of FDEP
Sample received by: Jan Kool of WRL

Date/Time: 8/1/2023 13:00
Date/Time: 8/1/2023 13:00

Sample received by: David Brown of WRL Date/Time: 8/1/2023 1:13:00

Instructions: Fill in all fields 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 field 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# L21347

RQ-2023-07-31-24

Contact organization FDEP

Contact name

Phone:

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

Sampler's name: DSK

Water, BW = Brackish Water, S = soil/sediment Other X =

²Type codes: G = grab, C = composite, X =

³ Recorded using IRT-2

Wetlands Research Laboratory

University of West Florida

O:\WRL Forms\Misc. forms\BLANK FDEP Sample Transmittal Form-1.xls

Date of Request: 12-JUL-2023
Created By: SLADE_C On: 12-JUL-2023
Modified By: SWANSON_C On: 13-JUL-2023
Customer: NW-DIST
Project: SCIREF
Division: Division of Environmental Assessment and Restoration
District: Northwest District NWROC
Event Description: Reference Stream SCI

Send Coolers To:

Phone: 850-595-0567
160 W Government Street
Suite 208
Pensacola, FL 32502-5794
Attn: Stopher Slade
Cooler Ship EMail: Christopher.slade@dep.state.fl.us

Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: AYRES_J On: 13-JUL-2023
Biology Request Reviewed By: SWANSON_C On: 13-JUL-2023
Sampling Kit Required: YES Ship on: 21-JUL-2023
Sampling Kit Shipped: YES On: 17-JUL-2023
Sampling Kit Packed By: KREUCH_B
Preservatives Needed: NO
Date to Receive Samples: 31-JUL-2023
Logged In By:

Send Final Report To:

160 W Government Street
Suite 208
Pensacola, FL 32502-5794
Attn: Frank Butera
Report Notification EMail:
michael.king@floridaDEP.gov;frank.butera@floridaDEP.gov;myr
anda.k.butler@floridaDEP.gov

Comments: Group A: Nutrients, Filtered Nutrients, Metals, Tracers, Limited Pesticieds, Contract Lab Bacteria
Group B: SCI, Algae_ID

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-1L		Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/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	(DEP SOP: NU-094-1) 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-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices	
W-TDS	Template: DEFAULT	(SM 2540 C-2015) Total Dissolved Solids in aqueous matrices	
W-TSS	Template: DEFAULT	(SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	
Bottle Type: BP-1L		Number of Bottles: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry	
Bottle Type: TEST HAS NO		Number of Bottles: 1	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola	
Bottle Type: BG-500ML		Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	
W-E8321-MS	Template: SMP	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	
Bottle Type: P-500ML		Number of Bottles: 1	Preserved With: HNO3
W-HARD	Template: DEFAULT	(SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3	
Hardness			
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	
Barium			
Calcium			

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

- Iron
- Magnesium
- Manganese
- Potassium
- Sodium
- Strontium
- Tin
- Titanium
- Vanadium
- Zinc

W-ICPMS	Template: DEFAULT	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
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- Aluminum
- Antimony
- Arsenic
- Barium
- Beryllium
- Boron
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Manganese
- Molybdenum
- Nickel
- Selenium
- Silver
- Thallium

Bottle Type: P-500ML	Number of Bottles: 1	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
W-TOC	Template: DEFAULT	(SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Type: P-125ML	Number of Bottles: 1	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 Type: BG-500ML	Number of Bottles: 4	Preserved With: ICE
W-PSNP-TQ	Template: DEFAULT	(EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS
W-TR-SQ-R	Template: DEFAULT	(EPA 8270E) Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM

Bottle Group B (Biological) With 1 Samples:

Bottle Type: PJ-2L	Number of Bottles: 2	Preserved With: Formalin
MI-FW-QLDC	Template: DEFAULT	(SOP-IZ06) No. Taxa of FW macroinverts, qual samp, 20 dipnets.
Bottle Type: PT-50ML	Number of Bottles: 1	Preserved With: ICE
ALGAL_ID	Template: DEFAULT	(SOP-AB18) Qualitative assessment of algal taxa present without counts

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