

Reaves, Shawn D

From: Musson, Curtis
Sent: Tuesday, July 27, 2021 9:30 AM
To: Reaves, Shawn D
Cc: Watts, John
Subject: RE: matrix

Shawn,

Yes the matrix for G4NW0443 Trout Bayou and G4NW0441 Judges Bayou Mouth be changed to Brackish to match the micro overflow chain of custody.

Thank you,
Curtis

From: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Sent: Tuesday, July 27, 2021 9:27 AM
To: Musson, Curtis <Curtis.Musson@FloridaDEP.gov>
Subject: FW: matrix
Importance: High

Good Morning Curtis,

Should the matrix for G4NW0443 Trout Bayou and G4NW0441 Judges Bayou Mouth be changed to Brackish to match the micro overflow chain of custody?

Shawn D. Reaves
DEP-Lab Support
Environmental Specialist I
Office: 850-245-8082
Direct: 58082
Email: Shawn.Reaves@FloridaDEP.gov

From: Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>
Sent: Tuesday, July 27, 2021 9:15 AM
To: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>; Watts, John <John.Watts@FloridaDEP.gov>
Subject: RE: matrix

Shawn,

I spoke to Curtis and DEP log-in matrix can be changed to brackish for both G4NW0443 Trout Bayou and G4NW0441 Judges Bayou Mouth.

Please send him a separate email asking "Should the matrix for G4NW0443 Trout Bayou and G4NW0441 Judges Bayou Mouth be changed to Brackish to match the micro overflow chain of custody?" (or something like that), to which he can respond. We'll need that email response attached to the .pdf file so there's no confusion in Bio or Chem when we get to the report certification stage.

Thanks!

Cheryl

From: Swanson, Cheryl

Sent: Monday, July 26, 2021 4:12 PM

To: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>; Watts, John <John.Watts@FloridaDEP.gov>

Cc: Musson, Curtis <Curtis.Musson@FloridaDEP.gov>

Subject: RE: matrix

Thank you. I would recommend contacting the samplers because I'm not sure if this is a training issue or a tablet issue. There was a chain about this in March 2019 (attached) which discussed WBID designation vs the sample designation in the bottle (to make sure the overflow uses the right test and dilution). The resolution was that both submittals (DEP and overflow micro) should match.

In this case NW-DIST-2021-07-23-01, I see 2 overflow micro as brackish (BW/SW) and for our lab it's 1 fresh and 1 marine. Tablets are used more now. Does the tablet use conductivity to populate or is that set by the sampler? Regardless, I think these should match. Curtis is copied.

Cheryl

From: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>

Sent: Monday, July 26, 2021 3:47 PM

To: Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>; Watts, John <John.Watts@FloridaDEP.gov>

Subject: RE: matrix

Cheryl,

It's NW-DIST-2021-07-23-01

Shawn D. Reaves

DEP-Lab Support

Environmental Specialist I

Office: 850-245-8082

Direct: 58082

Email: Shawn.Reaves@FloridaDEP.gov

From: Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>

Sent: Monday, July 26, 2021 3:45 PM

To: Watts, John <John.Watts@FloridaDEP.gov>

Cc: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>

Subject: RE: matrix

Do you have the Event?

Cheryl

From: Watts, John <John.Watts@FloridaDEP.gov>

Sent: Monday, July 26, 2021 2:10 PM

To: Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>

Cc: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>

Subject: matrix

I was gonna call Jackie, but she's out. We logged some samples is as fresh, but the micro went to OV and was logged in as salt. It appears they are estuarine, conductance less than 5000 mhos. So if we log them in as W-BRACKISH does that work with the overflow as salt? I don't know if all OV micro labs have brackish or estuarine. Watcha think?



John H. Watts

Florida Department of Environmental Protection

FDEP Laboratories

DEAR-Scientific Services Support

Environmental Administrator

John.Watts@floridadep.gov

Office: 850-245-8077

RQ-2021-07-19-22

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 7/23/2021 10:20

*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	
1.9-8				128		✓			929380150143
						✓			929380150132

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: IM

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: 7/23/2021

Event contains NCRs (Y/N)? ☒

Event ID:

Escambia Bay Whaler Run
NW-DIST-2021-07-23-01 (SMP)

Page 1 of 2, 06/15/20

Date Received: 23-JUL-2021 10:20

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	219019 exp: 7/1/22
Chlorine Test Strips	0129 exp: 03/2023

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: 7/22/2021 **Collected By:** Heather Schmuki, Myranda Butler
Customer: NW-DIST **Sampling Agency:** FDEP
RQ: RQ-2021-07-19-22 **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
Bayou Texar near Baars Park	 G4NW0516
Bayou Texar 200 Meters above Hwy 90 Bridge	 G4NW0402
Trout Bayou	 G4NW0443
Judges Bayou Mouth	 G4NW0441

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 7/22/2021

CEN

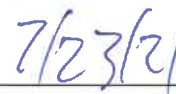
THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:



Rec'd/Inspected

Date:



Location: Bayou Texar near Baars Park

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT _h)
7/22/2021 840	6.22	73.9	24.6	5.56	0.3	1.2	1.2	87.6	0.04

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	C		
	Lot #		Sa0353110		Exp:		1/11/22										
Metals (P-500ML)	X	W-ICPMS		X	W-ICP		X	W-HARD		X	Ice	X	HNO3*	X	<2	1	C
	Lot #				Exp:												
Filtered Nutrients (P125ML)	X	W-PO4-F		X	Field Filtered 0.45 um Filter				x	Ice				1	C		
	Filter Lot #		Na0344060														
	Syringe Lot #		44565														
Chlorophyll (BP-1L)	X	CHLSUITE-W						x	Ice		1			C			
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)	X	Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY						x	Ice		1			C			
Macroinvertebrates (PJ-2L)	MI-FW-QLDC		Formalin Lot #						Formalin								
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)	X	W-E8321-DI		X	W-E8321-MS				x	Ice		1	C				
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI		W-E8321-MS			W-PSNP-TQ			Ice								
	W-PCL-TQ-R		W-CAR8-AA (5 ml of MCAA** Buffer Solution)			W-CT-CL-R											
Phytoplankton	DTY-QN-C			PKD-QN-BV				Ice									



RQ-2021-07-19-22	Collected By: Heather Schmuki, Myranda Butler
Customer: FDEP	Field Report Prepared by: Heather Schmuki, Myranda Butler
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G4NW0402	Comments:

Location:

Location: Bayou Texar 200 Meters above Hwy 90 Bridge

Matrix: Marine

(Check One)

☒ Grab☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTH)
7/22/2021 905	8.22	109.8	29.6	7.5	0.3	1	3	704.3	3.84

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*	
		Lot #	Sa0353110		Exp:	1/11/22		X	<2
Metals (P-500ML)	X	W-ICPMS	X	W-ICP	X	W-HARD	X	Ice	X
		Lot #			Exp:			X	<2
Filtered Nutrients (P125ML)	X	W-PO4-F	X	Field Filtered 0.45 µm Filter					
		Filter Lot #				X	Ice		
		Syringe Lot #							
Chlorophyll (BP-1L)	X	CHLSUITE-W			X	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)	X	Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				X	Ice		
Macroinvertebrates (PJ-2L)		MI-FW-QLDC	Formalin Lot #			Formalin			
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)	X	W-E8321-DI	X	W-E8321-MS		X	Ice		
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		W-E8321-MS		W-PSNP-TQ		Ice	
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R			
Phytoplankton		DTY-QN-C		PKD-QN-BV			Ice		



RQ-2021-07-19-22	Collected By: Heather Schmuki, Myranda Butler
Customer: FDEP	Field Report Prepared by: Heather Schmuki, Myranda Butler
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G4NW0443	Comments: Microbiology sample(s) submitted to contract laboratory

Location:
Location: Trout Bayou

Matrix: Marine (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)				
7/22/2021 1030	6.26	80.9	28.8	6.61	0.3	0.5	1.3	3611	1.89				
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				
		Lot #				Exp:							
Filtered Nutrients (P125ML)	X	W-PO4-F		X	Field Filtered 0.45 µm Filter								
		Filter Lot #					X	Ice				1	A
		Syringe Lot #											
Chlorophyll (BP-1L)	X	CHLSUITE-W				X	Ice					1	A
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)	X	Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				X	Ice					1	A
Macroinvertebrates (PJ-2L)		MI-FW-QLDC		Formalin Lot #			Formalin						
Periphyton (PT-50ML)		ALGAE-ID					Ice						
Microbiology (Contract Lab Bottle)		E Coli			F Coli		X	Enterococci					
	X	Contract Lab					X	Ice				1	A
Molecular (QPCR-P-500ML)		PCR-HF183			PCR-BacR			PCR-DG3					
		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					
		W-PCL-TQ-R			W-CARB-AA (5 ml of MCAA** Buffer Solution)			W-CT-CL-R					
Phytoplankton		DTY-QN-C			PKD-QN-BV			Ice					



RQ-2021-07-19-22	Collected By: Heather Schmuki, Myranda Butler
Customer: FDEP	Field Report Prepared by: Heather Schmuki, Myranda Butler
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G4NW0441	Comments: Microbiology sample(s) submitted to contract laboratory

Location:

Location: Judges Bayou Mouth

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

Date and Time {CEN}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTH						
7/22/2021 1100	7.95	104.2	29.4	6.49	0.3	0.5	1.2	497.8	0.24						
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*				
		Lot #				Exp:					<2				
Filtered Nutrients (P125ML)	X	W-PO4-F		X	Field Filtered 0.45 um Filter							1	A		
		Filter Lot #					X	Ice							
		Syringe Lot #													
Chlorophyll (BP-1L)	X	CHLSUITE-W				X	Ice					1	A		
Physical/Aggregate (Fresh) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W- TDS					Ice					1	A		
Physical/Aggregate (Marine) (P-1L)	X	Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				X	Ice					1	A		
Macroinvertebrates (PJ-2L)		MI-FW-QLDC	Formalin Lot #					Formalin							
Periphyton (PT-50ML)		ALGAE-ID					Ice								
Microbiology (Contract Lab Bottle)		E Coli			F Coli	X	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)		W-E8321-DI		W-E8321-MS		W-PSNP-TQ					Ice				
		W-PCL-TQ-R		W-CAR3-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R									
Phytoplankton		DTY-QN-C		PKD-QN-BV				Ice							

Document Reference # 05.1.0

Laboratory: Wetlands Research Laboratory

Sampler's initials :

MR

Page 1 of 1

Date/Time: 7/22/2 1:13:12

Date/Time: 07/22/21 11312

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.

8

Surface water, no chlorine expected

Contact organization FDEP

Contact name Mike King

Phone:

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

Sampler's name:

¹Matrix examples: SW = surface water, PW = pore water, GW = ground water, FW = Freshwater, MW = Marine Water, BW = Brackish Water, S = soil/sediment, Other X =

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

³ Recorded using IRT-2

Date of Request: 15-JUN-2021
 Created By: KING_M On: 15-JUN-2021
 Modified By: JASROTIA_P On: 17-JUN-2021
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Event Description: Escambia Bay Whaler Run

Send Coolers To:

Phone: 850-595-0605
 160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Michael King
 Cooler Ship EMail: michael.king@dep.state.fl.us

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 16-JUN-2021
 Biology Request Reviewed By: JASROTIA_P On: 17-JUN-2021
 Sampling Kit Required: YES Ship on: 09-JUL-2021
 Sampling Kit Shipped: YES On: 06-JUL-2021
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 19-JUL-2021
 Logged In By:

Send Final Report To:

160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Myranda Butler
 Report Notification EMail:
 Michael.King@dep.state.fl.us;myranda.butler@dep.state.fl.us

Comments: Group A: (WBID 493B, 694) Marine Nutrients, Contract Lab Bacteria

Group B: (548AC) Marine Nutrients no Chlorophyll

Group C: (WBID 468) Marine Nutrients, Metals, Tracers

Packing notes;

FedEx return packing slips

Bottle Group A & B - DO NOT ship bottles for Contract Lab Bacteria, set to TEST HAS NO BOTTLE

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	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-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
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: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: TEST HAS NO	Number of Bottles: 2	Preserved With: ICE
NW-UWF-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola
Bottle Type: P-500ML	Number of Bottles: 2	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: 2	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 Group B (Water) With 2 Samples:

Bottle Type: TEST HAS NO	Number of Bottles: 2	Preserved With: ICE
NW-TA-FC	Template: DEFAULT	(SM 9222 D) Fecal coliforms by MF by Test America in Pensacola
Bottle Type: TEST HAS NO	Number of Bottles: 2	Preserved With: ICE
NW-UWF-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola

Bottle Group C (Water) With 2 Samples:

Bottle Type: BG-500ML	Number of Bottles: 2	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: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 2	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

Calcium
Iron
Magnesium
Manganese
Zinc

W-ICPMS	Template:	(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
Beryllium
Cadmium
Chromium
Copper
Lead
Nickel
Selenium
Silver
Thallium

Bottle Type: P-500ML	Number of Bottles: 2	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: 2	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: P-1L	Number of Bottles: 2	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-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
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: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry