McCoy, Ian

From: Schmuki, Heather
Sent: Thursday, April 1, 2021 10:37 AM
To: McCoy, Ian
Subject: RE: Field Blank Paperwork
Attachments: RQ-2021-03-22-41_CoverSheetComplete_03292021.pdf

I was able to add it to the bottom line of the generated COC. It isn't pretty but it is there. Will this work?

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Sent: Thursday, April 1, 2021 8:49 AM
To: Schmuki, Heather <Heather.Schmuki@FloridaDEP.gov>
Subject: RE: Field Blank Paperwork

Can I get a COC with the Field Blank on it? It doesn't have to be all encompassing, just the field blank by itself would do.

From: Schmuki, Heather <Heather.Schmuki@FloridaDEP.gov>
Sent: Thursday, April 1, 2021 9:15 AM
To: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>; Mulkey, Nathan <Nathan.Mulkey@FloridaDEP.gov>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Subject: RE: Field Blank Paperwork

Good Morning Ian,

Please see attached for blank document paperwork. Sorry about all the frustration over this. I assume you might see this again due to technological tablet issues resulting in deletion of the blank event. I ended up just filling out the paperwork by hand. If there is anything else you need please don't hesitate to ask.

Heather Schmuki

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Sent: Wednesday, March 31, 2021 12:12 PM
To: Mulkey, Nathan <Nathan.Mulkey@FloridaDEP.gov>
Cc: Schmuki, Heather <Heather.Schmuki@FloridaDEP.gov>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Subject: RE: Field Blank Paperwork

* Resulted in a phone call with Heather Schmuki -IM 4/1/21

The field label is fine but the Field Blank is considered a "site" for internal purposes which means I need a sample submittal form for it and a COC that includes it. The paperwork received only indicates two bottles in the bottle count but doesn't mention that they are a Field Blank. Attached is a picture of the field label received on a Field Blank sample and a scan of the paperwork.

From: Mulkey, Nathan <Nathan.Mulkey@FloridaDEP.gov>
Sent: Wednesday, March 31, 2021 12:30 PM
To: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Cc: Schmuki, Heather <Heather.Schmuki@FloridaDEP.gov>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Reaves,

Shawn D <Shawn.Reaves@FloridaDEP.gov>
Subject: Re: Field Blank Paperwork

For future reference we always state a location on the bottle label where the field blank is taken. If this is not preferred or a change is needed please let field staff know.
Nathan Mulkey

Sent from my iPhone

On Mar 31, 2021, at 7:51 AM, McCoy, Ian <Ian.McCoy@floridadep.gov> wrote:

Good morning, I realize my previous email was a little barebones. I received this event yesterday and noticed that the Field Blank samples received had your stickers on it that mentioned a location, "Bucket Branch downstream of Pat Brown Road" but were in the Field Blank bottle group and had a FB Field ID. The paperwork corroborated it by having 2's in the bottle counts for that site. Fortunately that helps with login, unfortunately I still need the Sample Submittal form for the Field blank and an updated COC for my paperwork. Attached is the relevant papers. Sorry for my previous email being less than straight-forward, if you have any questions, feel free to ask. Have a great day!

From: McCoy, Ian
Sent: Tuesday, March 30, 2021 12:36 PM
To: Schmuki, Heather <Heather.Schmuki@FloridaDEP.gov>
Cc: Mulkey, Nathan <Nathan.Mulkey@FloridaDEP.gov>
Subject: RE: RQ-2021-03-22-41 COC

Good afternoon, I received this event today and found that the Field Blank is missing from the paperwork, can I get a sample submittal form for FB_03292021?

From: Schmuki, Heather <Heather.Schmuki@FloridaDEP.gov>
Sent: Monday, March 29, 2021 3:13 PM
To: Lab.Receiving <Lab.Receiving@floridadep.gov>
Cc: Mulkey, Nathan <Nathan.Mulkey@FloridaDEP.gov>
Subject: RQ-2021-03-22-41 COC

Please see attached for COC

Heather Schmuki
<RQ-2021-03-22-41.pdf>

RQ- 2021-03-22-41 **Login Checklist** Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound Date/Time of Receipt: 3/ 30 /21 @ 11:00

*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	
0.1				19		✓			1Z1YR2178496518358
2.5				19		✓			1Z1YR2178499891241

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: KLK

Chlorine detected? *(One container checked per Field ID)* Yes ____ No ✓ Init: KLK

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: KLK

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

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

Coolers Unpacked/Checked by: KLK / IM **Date:** 3/ 30 /21 **Event contains NCRs (Y/N)?** N

Event ID: Pace Run Full
NW-DIST-2021-03-30-01 (SMP)
Date Received: 30-MAR-2021 11:00

Login Checklist

Login Preservation Equipment	Lot # & Exp: Date
Infrared Thermometer ID:	IR TEMP GUN #5 EXP:10-28-21
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	Lot#210620 EXP:4-15-23
Chlorine Test Strips	Lot#0261 EXP:5-23

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: 3/29/2021
Customer: NW-DIST
RQ: RQ-2021-03-22-41
Collected By: Heather Schmuki, Nathan Mulkey
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:** UPS

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

Site Location	Field ID/WIN ID
Clear Creek upstream of Pat Brown Road	G4NW0360
Bucket Branch downstream of Pat Brown Road	G4NW0532
Big Coldwater Creek below CR191	G4NW0026
Big Coldwater Creek end of Steel Bridge Rd	G4NW0027
Coldwater Creek West Fork downstream of HWY 87	G4NW0017
Coldwater Creek West Fork on CR 178	G4NW0016
Clear Creek upstream of Hwy 87A	G4NW0510
Field Blank	FB_03292021

RELINQUISHED BY(SIGNATURE):

DATE/TIME: 3/29/2021; 1400

THIS SECTION TO BE COMPLETED BY LABORATORY

IM 3/30/21

Updated, please disregard Original - IM 4/1/21

Rec'd/Inspected By:	Rec'd/Inspected Date:

RQ-2021- 03-22-41 Collected By: N Mulkey
Customer: 21FLPNS Field Report Prepared By: H Schmucki
Project ID: SMP Sampling Agency: NW RO

BLANK

~~FB NWD~~ HS

Place Label Here

FB_0329202 Location: Bucket Branch

Comments:

Matrix: Field Blank / Equipment Blank / Field Cleaned Equip Blank (Check one) ☐ COMPOSITE ☑ GRAB

Date	Time	DI Source: PNS Lab
3/29/21	855 EST / CST	

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 ☑ H_2SO_4*	☑ <2	1	D
	Lot # SA02930410 Exp:	10/19/21			
Metals (P-500ML)	☐ W-ICPMS ☑ W-ICP	☑ Ice ☑ HNO_3*	☐ <2	1	D
	Lot # NA0344060 Exp:	1/4/22			
Filtered Nutrients (P125ML)	☐ W-PO4-F ☑ Field Filtered 0.45 µm Filter	☐ Ice		1	D
	Filter Lot # 17097896				
	Syringe Lot # 0079929				
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-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice		1	D
Tracers (BG-500ML)	☑ W-E8321-DI ☑ W-E8321-MS	☑ Ice		1	D
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time:
H Schmucki	3/29/21, 1400	UPS	2		

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Email Submittal form to : lab.receiving@floridadep.gov.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 3/29/2021
Customer: NW-DIST
RQ: RQ-2021-03-22-41
Collected By: Heather Schmuki, Nathan Mulkey
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:** UPS

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

Site Location	Field ID/WIN ID
Clear Creek upstream of Pat Brown Road	G4NW0360
Bucket Branch downstream of Pat Brown Road	G4NW0532
Big Coldwater Creek below CR191	G4NW0026
Big Coldwater Creek end of Steel Bridge Rd	G4NW0027
Coldwater Creek West Fork downstream of HWY 87	G4NW0017
Coldwater Creek West Fork on CR 178	G4NW0016
Clear Creek upstream of Hwy 87A	G4NW0510

RELINQUISHED BY(SIGNATURE): **DATE/TIME:** 3/29/2021; 1400

THIS SECTION TO BE COMPLETED BY LABORATORY

IM 3/30/21

Original Page 1 of 9 replaced to update IM 4/1/21

Rec'd/Inspected By:	Rec'd/Inspected Date:

RQ-2021-03-22-41	**Collected By**: Heather Schmuki, Nathan Mulkey
Customer: FDEP	**Field Report Prepared by**: Heather Schmuki, Nathan Mulkey
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G4NW0360 **Location**: Clear Creek upstream of Pat Brown Road	**Comments**: Microbiology sample(s) submitted to contract laboratory
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
3/29/2021 805	8.03	86.3	19.2	4.52	0.3	0.7	0.7	30.6	0.01
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 Lot # Sa0293040 Exp: 10/19/21	X Ice X H2SO4*	X	<2	1	C
Metals (P-500ML)	W-ICPMS W-ICP W-HARD Lot # Exp:	Ice HNO3*		<2		
Filtered Nutrients (P125ML)	X W-PO4-F X Field Filtered 0.45 um Filter Filter Lot # 17097890 Syringe Lot # 79929	X Ice			1	C
Chlorophyll (BP-1L)	X CHLSUITE-W	X Ice			1	C
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	C
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)	X E Coli F Coli Enterococci X Contract Lab	X Ice			1	C
Molecular (QPCR-P-500ML)	PCR-HF183 PCR-BacR PCR-DG3 PCR-GULL2 PCR-GFD	Ice				
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-DIELDRIN W-PCL-SQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-CT-CL-R	Ice				
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice				

RQ-2021-03-22-41	**Collected By**: Heather Schmuki, Nathan Mulkey
Customer: FDEP	**Field Report Prepared by**: Heather Schmuki, Nathan Mulkey
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G4NW0532 **Location**: Bucket Branch downstream of Pat Brown Road	**Comments**: Microbiology sample(s) submitted to contract laboratory
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
3/29/2021 825	3.97	42.8	19.2	4.48	0.1	0.2	0.2	34.5	0.01
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 Lot # Sa0293040 Exp: 10/19/21	X Ice X H2SO4*	X	<2	~~2~~ 1	B
Metals (P-500ML)	X W-ICPMS X W-ICP X W-HARD Lot # Na0344060 Exp: 1/4/22	X Ice X HNO3*	X	<2	~~2~~ 1	B
Filtered Nutrients (P125ML)	X W-PO4-F X Field Filtered 0.45 um Filter Filter Lot # 17097890 Syringe Lot # 79929	X Ice			~~2~~ 1	B
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			~~2~~ 1	B
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)	X E Coli F Coli Enterococci X Contract Lab	X Ice			1	B
Molecular (QPCR-P-500ML)	PCR-HF183 PCR-BacR PCR-DG3 PCR-GULL2 PCR-GFD	Ice				
Tracers (BG-500ML)	X W-E8321-DI X W-E8321-MS	X Ice			1	N/a
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI W-E8321-MS W-PSNP-TQ / W-DIELDRIN W-PCL-SQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-CT-CL-R	Ice				
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice				

RQ-2021-03-22-41 | **Collected By**: Heather Schmuki, Nathan Mulkey

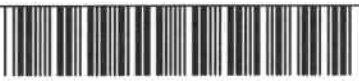
M Edited after contacting inspector -IM 4/1/21

Customer: FDEP	**Field Report Prepared by:** Heather Schmuki, Nathan Mulkey
Project ID: SMP	**Sampling Agency:** FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G4NW0026 **Location:** Big Coldwater Creek below CR191	**Comments:** Microbiology sample(s) submitted to contract laboratory
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
3/29/2021 900	8.66	92.2	18.9	4.41	0.3	0.9	0.9	30.8	0.01
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 Lot # Sa0293040 Exp: 10/19/21	X Ice X H2SO4*	X	<2	1	A
Metals (P-500ML)	W-ICPMS W-ICP W-HARD Lot # Exp:	Ice HNO3*		<2		
Filtered Nutrients (P125ML)	X W-PO4-F X Field Filtered 0.45 um Filter Filter Lot # 17097890 Syringe Lot # 79929	X Ice			1	A
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)	X E Coli F Coli Enterococci X Contract Lab	X Ice			1	A
Molecular (QPCR-P-500ML)	X PCR-HF183 X PCR-BacR X PCR-DG3 PCR-GULL2 PCR-GFD	X Ice			1	A
Tracers (BG-500ML)	X W-E8321-DI X W-E8321-MS	X Ice			1	A
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI W-E8321-MS W-PSNP-TQ W-DIELDRIN W-PCL-SQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-CT-CL-R	Ice				
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice				

RQ-2021-03-22-41	**Collected By:** Heather Schmuki, Nathan Mulkey

Customer: FDEP	**Field Report Prepared by**: Heather Schmuki, Nathan Mulkey
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G4NW0027 **Location**: Big Coldwater Creek end of Steel Bridge Rd	**Comments**: Microbiology sample(s) submitted to contract laboratory
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
3/29/2021 930	8.74	92.8	18.6	4.32	0.3	0.8	0.8	31.9	0.01

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 Lot # Sa0293040 Exp: 10/19/21	X Ice X H2SO4*	X <2	1	A
Metals (P-500ML)	W-ICPMS W-ICP W-HARD Lot # Exp:	Ice HNO3*	<2		
Filtered Nutrients (P125ML)	X W-PO4-F X Field Filtered 0.45 um Filter Filter Lot # 17097890 Syringe Lot # 79929	X Ice		1	A
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)	X E Coli F Coli Enterococci X Contract Lab	X Ice		1	A
Molecular (QPCR-P-500ML)	X PCR-HF183 X PCR-BacR X PCR-DG3 PCR-GULL2 PCR-GFD	X Ice		1	A
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-DIELDRIN W-PCL-SQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-CT-CL-R	Ice			
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice			

RQ-2021-03-22-41	**Collected By**: Heather Schmuki, Nathan Mulkey

Customer: FDEP	**Field Report Prepared by:** Heather Schmuki, Nathan Mulkey
Project ID: SMP	**Sampling Agency:** FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G4NW0017 **Location:** Coldwater Creek West Fork downstream of HWY 87	**Comments:** Microbiology sample(s) submitted to contract laboratory
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
3/29/2021 1005	8.47	90.6	19	4.71	0.2	0.4	0.4	45.8	0.02

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; Lot # sa0293040; Exp: 10/19/21	X Ice X H2SO4*	X <2	1	C
Metals (P-500ML)	W-ICPMS W-ICP W-HARD; Lot #; Exp:	Ice HNO3*	<2		
Filtered Nutrients (P125ML)	X W-PO4-F X Field Filtered 0.45 um Filter; Filter Lot # 17097890; Syringe Lot # 79929	X Ice		1	C
Chlorophyll (BP-1L)	X CHLSUITE-W	X Ice		1	C
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	C
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)	X E Coli F Coli Enterococci; X Contract Lab	X Ice		1	C
Molecular (QPCR-P-500ML)	PCR-HF183 PCR-BacR PCR-DG3; PCR-GULL2 PCR-GFD	Ice			
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-DIELDRIN; W-PCL-SQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-CT-CL-R	Ice			
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice			

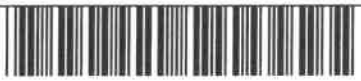
RQ-2021-03-22-41	**Collected By:** Heather Schmuki, Nathan Mulkey

Customer: FDEP	**Field Report Prepared by:** Heather Schmuki, Nathan Mulkey
Project ID: SMP	**Sampling Agency:** FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G4NW0016 **Location:** Coldwater Creek West Fork on CR 178	**Comments:** Microbiology sample(s) submitted to contract laboratory
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
3/29/2021 1025	8.38	88.8	18.5	5.19	0.3	1.1	1.1	46.2	0.02
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 Lot # Sa0293040 Exp: 10/19/21	x Ice x H2SO4*	X	<2	1	C
Metals (P-500ML)	W-ICPMS W-ICP W-HARD Lot # Exp:	Ice HNO3*		<2		
Filtered Nutrients (P125ML)	x W-PO4-F x Field Filtered 0.45 um Filter Filter Lot # 17097890 Syringe Lot # 79929	x Ice			1	C
Chlorophyll (BP-1L)	x CHLSUITE-W	x Ice			1	C
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	C
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)	X E Coli F Coli Enterococci X Contract Lab	x Ice			1	C
Molecular (QPCR-P-500ML)	PCR-HF183 PCR-BacR PCR-DG3 PCR-GULL2 PCR-GFD	Ice				
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-DIELDRIN W-PCL-SQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-CT-CL-R	Ice				
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice				

RQ-2021-03-22-41	**Collected By:** Heather Schmuki, Nathan Mulkey

Customer: FDEP	**Field Report Prepared by:** Heather Schmuki, Nathan Mulkey
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G4NW0510 **Location**: Clear Creek upstream of Hwy 87A	**Comments**: Microbiology sample(s) submitted to contract laboratory
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
3/29/2021 1105	8.55	92.5	21	4.95	0.3	0.6	0.6	37.4	0.02
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 Lot # sa0293040 Exp: 10/19/21	X Ice X H2SO4*	X	<2	1	C
Metals (P-500ML)	W-ICPMS W-ICP W-HARD Lot # Exp:	Ice HNO3*		<2		
Filtered Nutrients (P125ML)	X W-PO4-F X Field Filtered 0.45 um Filter Filter Lot # 17097890 Syringe Lot # 79929	X Ice			1	C
Chlorophyll (BP-1L)	X CHLSUITE-W	X Ice			1	C
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	C
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)	X E Coli F Coli Enterococci X Contract Lab	X Ice			1	C
Molecular (QPCR-P-500ML)	PCR-HF183 PCR-BacR PCR-DG3 PCR-GULL2 PCR-GFD	Ice				
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-DIELDRIN W-PCL-SQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-CT-CL-R	Ice				
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice				

SAMPLE TRANSMITTAL FORM
Document Reference # 05.1.0

Project: FDEP

Laboratory: Wetlands Research Laboratory

Sampler's intials : NM

Method of transport: on ice by hand

Page 1 of 1

Samples delivered by: HSchmuck of FDEP

Date/Time: 3/29/21 1156

Sample received by: [signature] of WRL

Date/Time: 3/29/2021 1156

CST

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.

Lab ID	Sample ID	Matrix[1]	Type[2]	Container Type	Analyses Requested	Preservative	Sample (°C)[3]	Sampling Date/Time
21-47622	G4NW0026 Big Coldwater Creek	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	5.1	3/29/21 900
21-47623	G4NW0027 Big Coldwater Creek	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	4.3	3/29/21 930
21-47624	G4NW0360 Clear Creek	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	2.7	3/29/21 805
21-47625	G4NW0510 Clear Creek	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	5.8	3/29/21 1105
21-47626	G4NW0532 Bucket Branch	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	1.7	3/29/21 825
21-47627	G4NW0016 Coldwater Creek West Fork	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	4.5	3/29/21 1025
21-47628	G4NW0017 Coldwater Creek West Fork	FW	G	Sterile plastic	Escherichia coli 18-QT	ice/$Na_2S_2O_3$	4.9	3/29/21 1005

Comments: **Sample Container lot#** 20020

Surface water, no chlorine expected

RQ -2021-03-22-41

Contact organization FDEP

Contact name

Phone:

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

Sampler's name: N Mulky

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

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

[3] Recorded using IRT-2

RQ-2021-03-22-41

Date of Request: 08-MAR-2021
Created By: KING_M On: 08-MAR-2021
Modified By: JASROTIA_P On: 08-MAR-2021
Customer: NW-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: Northwest District
Event Description: Pace Run Full

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: 08-MAR-2021
Biology Request Reviewed By: JASROTIA_P On: 08-MAR-2021
Sampling Kit Required: YES Ship on: 12-MAR-2021
Sampling Kit Shipped: YES On: 09-MAR-2021
Sampling Kit Packed By: REYNOLDS_T
Preservatives Needed: NO
Date to Receive Samples: 22-MAR-2021
Logged In By:

Send Final Report To:

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

Comments: Group A: (WBID 18) Freshwater Nutrients,Tracers, Markers, Contract Lab Bacteria

Group B: (WBID 356) Freshwater Nutrients, Metals, Contract Lab Bacteria

Group C: (WBID 260, 11A) Freshwater nutrients, Contract Lab Bacteria

Group D: (Field Blank) Freshwater Nutrients,Tracers, Metals, Contract Lab Bacteria

Packing notes;

UPS return packing slips

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 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 Color (true)	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
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-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: 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-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola

Bottle Type: QPCR-P-500ML Number of Bottles: 2 Preserved With: ICE

PCR-BACR	Template: DEFAULT	(SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Bottle Group A (Water) With 2 Samples:

Bottle Type: QPCR-P-500ML Number of Bottles: 2 Preserved With: ICE

PCR-DG3	Template: DEFAULT	(SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

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: 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 Group B (Water) With 1 Samples:

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: P-500ML Number of Bottles: 1 Preserved With: HNO3

W-HARD	Template: DEFAULT	(SM 2340B) 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		
Cadmium		
Iron		
Magnesium		
Manganese		
Potassium		
Sodium		
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
*Boron		
Aluminum		
Antimony		
Arsenic		
Beryllium		
Cadmium		
Chromium		
Copper		
Lead		
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: 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	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
Color (true)		

Bottle Group B (Water) With 1 Samples:

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

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-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: 1 Preserved With: ICE

CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Bottle Group C (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 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 Color (true)	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
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-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: 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-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola

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 Group D (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 Color (true)	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
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-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: 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: DEFAULT	(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 Hardness	Template: DEFAULT	(SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3
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		
Cadmium		

Bottle Group D (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
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

*Boron
Aluminum
Antimony
Arsenic
Beryllium
Cadmium
Chromium
Copper
Lead
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

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