

McCoy, Ian

From: King, Michael
Sent: Tuesday, December 7, 2021 11:06 AM
To: McCoy, Ian; Butler, Myranda K
Cc: Ayres, Joshua
Subject: RE: Bottle Group Confirmation

Ian,

I thought I had edited this RQ but I guess I did not finalize it. The bottle group does not matter to me as long as the metals match the Bottle group C analytes.

The PO4 was indeed filtered in the field, sampler must have missed the check box.

Thank you,

Mike K

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Sent: Tuesday, December 7, 2021 10:04 AM
To: King, Michael <Michael.King@dep.state.fl.us>; Butler, Myranda K <Myranda.K.Butler@FloridaDEP.gov>
Cc: Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>
Subject: FW: Bottle Group Confirmation

I've also noticed that the PO4 is not mentioned in the paperwork, I can do the additions but could you confirm that the sample was filtered?

Ian McCoy
Florida DEP Receiving
Lab Support Staff
Phone - 850-245-8062

From: McCoy, Ian
Sent: Tuesday, December 7, 2021 11:00 AM
To: King, Michael <Michael.King@dep.state.fl.us>; Butler, Myranda K <Myranda.K.Butler@FloridaDEP.gov>
Cc: Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>
Subject: Bottle Group Confirmation

Good morning, I received RQ-2021-11-15-38 and noticed that the site paperwork for the Field Blank Metals Sample, the bottle group is listed as "D" but the scheduler has no such bottle group.

I logged it in under the same bottle group as the received sample (Bottle Group C) in order to match the components. Is this acceptable?

Everything else was receive just fine, in temp and properly preserved. Let me know if you have any questions, have a great day!

Ian McCoy
Florida DEP Receiving
Lab Support Staff
Phone - 850-245-8062

RQ-2021-11-15-38

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 12/7/2021 10:08

*Cooler Temperature	Samples Frozen? YES	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
		HNO ₃	Formalin		Present?		*Intact?		
					Yes	No	Yes	No	
2.0				6		✓			171R2178496785236

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: 12/7/2021

Event contains NCRs (Y/N)? ☒Event ID: Holmes Bay Run
NW-DIST-2021-12-07-02 (SMP)

Page 1 of 2, 06/15/2020, Date Received: 07-DEC-2021 10:08

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #2 exp:10/19/22
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	207621 exp: 3/15/24
Chlorine Test Strips	0070 exp: 02/2023

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: 12/6/2021
Customer: NW-DIST
RQ: RQ-2021-11-15-38

Collected By: Nathan Mulkey, Lauren McNally
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: 1

Delivery Method: UPS

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

Site Location	Field ID/WIN ID
Pine Log Creek Upstream of Highway 20	 G3NW0454
Little Black Creek upstream of Black Creek	 G3NW0200
FB	 FB_12062021

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 12/6/2021
1600 CEN

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:



Rec'd/Inspected

Date:

12/7/21



RQ-2021-11-15-38

Collected By: Lauren McNally, Nathan Mulkey

Customer: FDEP

Field Report Prepared by: Lauren McNally,
Nathan Mulkey

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G3NW0454

Comments: Microbiology sample(s) submitted to
contract laboratory

Location:

Location: Pine Log Creek Upstream of Highway 20

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 (PPT)
12/6/2021 1010	8.31	82.5	15.3	4.89	0.3	0.5	0.5	19.7	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*	
		Lot #	353110	Exp:	1/11/22		X	<2	1
Metals (P-500ML)	X	W-ICPMS		X	W-ICP	X	W-HARD	X	HNO3*
		Lot #	0344060	Exp:	1/4/22		X	<2	1
Filtered Nutrients (P125ML)		W-PO4-F			Field Filtered 0.45 µm Filter				
		Filter Lot #			Ice				
		Syringe Lot #							
Chlorophyll (BP-1L)	X	CHLSUITE-W				X	Ice		
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W- TDS				X	Ice		
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / 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	
	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-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R			
Phytoplankton		DTY-QN-C		PKD-QN-BV				Ice	

Taken from Email

-IM 12/7/21
12/7/21



RQ-2021-11-15-38	Collected By: Nathan Mulkey, Lauren McNally
Customer: FDEP	Field Report Prepared by: Nathan Mulkey, Lauren McNally
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G3NW0200	Comments: Microbiology sample(s) submitted to contract laboratory

Location:

Location: Little Black Creek upstream of Black Creek

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)
12/6/2021 1055	8.94	91.5	16.7	4.6	0.2	0.4	0.4	17.1	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 Lot # _____ Exp: _____	Ice H2SO4*	<2		
Metals (P-500ML)	W-ICPMS W-ICP W-HARD Lot # _____ Exp: _____	Ice HNO3*	<2		
Filtered Nutrients (P125ML)	W-PO4-F Field Filtered 0.45 µm Filter Filter Lot # _____ Syringe Lot # _____	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-BR-IC / 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 Contract Lab	x Ice		1	B
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-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-CT-CL-R	Ice			
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice			



RQ-2021-11-15-38	Collected By: Lauren McNally, Nathan Mulkey
Customer: FDEP	Field Report Prepared by: Lauren McNally, Nathan Mulkey
Project ID: SMP	Sampling Agency: FDEP

WIN ID/Field ID: 	Comments: Microbiology sample(s) submitted to contract laboratory
WIN ID/Field ID: FB_12062021	

Location:
Location: FB

Matrix: DI Water	(Check One) ☒ Grab ☐ Composite
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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)
12/6/2021 1025									

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 D
	Lot #			0344060			Exp: 44565							
Filtered Nutrients (P125ML)	W-PO4-F		Field Filtered 0.45 um Filter				Ice							
	Filter Lot #													
	Syringe Lot #													
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-BR-IC / 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)	E Coli		F Coli		Enterococci		Ice							
	Contract Lab													
Molecular (QPCR-P-500ML)	PCR-HF1B3		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-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R									
Phytoplankton	DTY-QN-C		PKD-QN-BV				Ice							

changed to match
components and
Scheduler -IM
12/7/21

Document Reference # 05.1.0

Sampler's initials :

Page 1 of 1

Date/Time: 12/6/21 11242

Date/Time: 12/6/21 11292

CST

Sampling Date: 12/6/21 / 1010
↓ 1055

Surface water, no chlorine expected

Phone:

Sampler's name:

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

³ Recorded using IRT-2

Date of Request: 28-OCT-2021
 Created By: KING_M On: 28-OCT-2021
 Modified By: AYRES_J On: 02-NOV-2021
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Event Description: Holmes Bay 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: AYRES_J On: 02-NOV-2021
 Biology Request Reviewed By: AYRES_J On: 02-NOV-2021
 Sampling Kit Required: YES Ship on: 05-NOV-2021
 Sampling Kit Shipped: YES On: 04-NOV-2021
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 15-NOV-2021
 Logged In By:

Send Final Report To:

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

Comments: Group A: (WBID 142) Freshwater Nutrients, Contract Lab Bacteria
 Group B: (WBID 719) Contract Lab Bacteria
 Group C: (WBID 526) Freshwater Nutrients, Contract Lab Bacteria
 Packing notes;
 UPS return packing slips

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 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: 1	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: 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: 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 Group A (Water) With 1 Samples:

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 Group B (Water) With 1 Samples:

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)		
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 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 Group C (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

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-1L		Number of Bottles: 1	Preserved With: ICE
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-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 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: SMP-FRESH	(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			
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	
*Boron			
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
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	

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