

RQ- 2018-08-20-15

Log-in Checklist

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound |Date/Time of Receipt: 08/22/18 @ 9:50a

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
			Yes	No	Yes	No	
Red	0.9°C	16		X			4385 5632 1904

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

****Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

****Chain of Custody/ Field Sheet(s) Included?** Yes ☒ No ☐

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ☒ No ☐ Date 08/22/18

CONTAINER CHECK

****Evidence Tape on Bottles?** Yes ☐ No ☒ **If yes, is it intact?** Yes ☐ No ☐

****Caps on tight?** Yes ☒ No ☐ ****Containers intact?** Yes ☒ No ☐

****Sufficient Sample Volume:** Yes ☒ No ☐

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes ☐ No ☒ Init: _____

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.					
Analysis	Yes	No	Analysis	Yes	No
W-1,4 DIOX			W-PC-AA-SF		
W-E8321-DI, -MS, -21			W-NP-AA-SF		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PCL-SQ-R		
W-U2060-MS			W-TR-TQ		
W-PCB-R			W-CT-CI-R		
W-PAH (-R)			W-PSNP-TQ		

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

****Acid Preserved Samples:** pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: TM

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

Coolers Unpacked/Checked by: Tyler R. **Date:** 08/22/18 **NCRs (Y/N)?** N

Event ID: EGLIN RUN WEST
NW-DIST-2018-08-22-01 (SMP)
Date Received: 22-AUG-2018 09:
NCR # _____

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

Additional Comments:

Infrared Thermometer ID:	REC_05_2018
pH Paper 0.0 – 3.0 Lot #	230515 EXP:10/30/2018
pH Paper 0 – 13 Lot #	222516 EXP:09/15/2019
Chlorine Test Strips Lot #	091417V EXP:09/2021

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No X

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ If No _____

no, were samples shipped on dry ice? Yes _____ No _____

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

Central Laboratory Submittal Form

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By:

MIKE KING

Project ID: SMP

Collected By: MIKE KING / Nathan MURPHY

Sampling Agency:

FDEP NW DIST

Location	Field/WIN ID G3NW0138	☐ Comp ☒ Grab Collection (comp begin or grab) Date 8/21 Time 0920 Eastern Central Composite end Date Time	Matrix (type, e.g., Salt, Fresh, etc) Diss. Oxygen 8.43 Temp (C) 22.0 pH 6.61 Sample Depth 0.3 Salinity (ppt) 0.07 Comments	mg/L % sat Total Res. Chlorine (mg/L) Sp. Conductance (umho/cm) 143.8 Bottle Group(s) (See pg 2) A
Field	Location: Deer Moss Creek below College Blvd.			
WIN				
Latitude	Longitude			
Field/WIN ID G3NW0151	☐ Comp ☒ Grab Collection (comp begin or grab) Date 8/21 Time 0940 Eastern Central Composite end Date Time	Matrix (type, e.g., Salt, Fresh, etc) Diss. Oxygen 3.14 Temp (C) 27.5 pH 5.05 Sample Depth 0.3 Salinity (ppt) 0.01 Comments	mg/L % sat Total Res. Chlorine (mg/L) Sp. Conductance (umho/cm) 27.3 Bottle Group(s) B	
Field	Location: Eagle Creek upstream of Hwy 20			
WIN				
Latitude	Longitude			
Field/WIN ID G3NW0137	☐ Comp ☒ Grab Collection (comp begin or grab) Date 8/21 Time 0950 Eastern Central Composite end Date Time	Matrix (type, e.g., Salt, Fresh, etc) Diss. Oxygen 5.40 Temp (C) 26.3 pH 5.67 Sample Depth 0.3 Salinity (ppt) 0.01 Comments	mg/L % sat Total Res. Chlorine (mg/L) Sp. Conductance (umho/cm) 32.2 Bottle Group(s) B	
Field	Location: Mouth of Mullet Creek @ Hwy 20			
WIN				
Latitude	Longitude			
Field/WIN ID G3NW0141	☐ Comp ☒ Grab Collection (comp begin or grab) Date 8/21 Time 1020 Eastern Central Composite end Date Time	Matrix (type, e.g., Salt, Fresh, etc) Diss. Oxygen 4.94 Temp (C) 27.9 pH 6.40 Sample Depth 0.3 Salinity (ppt) 0.03 Comments	mg/L % sat Total Res. Chlorine (mg/L) Sp. Conductance (umho/cm) 72.3 Bottle Group(s) A	
Field	Location: Mill Creek upstream of Bayshore Dr			
WIN/STC				
Latitude	Longitude			

Relinquished By:	Date/Time 8/21/18	Shipping Method FEDEX	Number of Coolers Shipped: 1	Received By: Tyler R.	Date/Time 08/22/18 @ 9:50a
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Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2 CONTRACT LAB
	NW-UWF-ECQ						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
	H2SO4 LOT# SA8085170 EXP: 03/26/19						
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY TURBIDITY W-F W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: B	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2 CONTRACT Lab
	NW-UWF-ENQ NW-UWF-FC						
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3						

Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				
	W-TOC				

Group: B	Bottle Type:	P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F				2

Cooler Packing Worksheet for Request: RQ-2018-08-20-15

EGLIN RUN WEST

Ship Cooler On: 8/10/2018

Customer/Project: NW-DIST/SMP

Assigned To: REYNOLDS_T

Requester: Michael King

Priority: 3

SC-695-0605
160 W Government St
Suite 208A
Pensacola, FL 32502-5794

Attn: Michael King

Please return
packing list with
sample submittal
forms.

Comments:

No preservatives needed.

Group A: (WBID 620, 644, 658) Freshwater Kit, Contract Lab Bacteria [E.COLI]

Group A: (WBID 712, 751) Saltwater Kit, Contract Lab Bacteria [Enterococci, Fecal Coliform]

Add return shipping labels for both FedEx and UPS

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00071233

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 3 Preservation: ICE

Lot # 1227219

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: TEST HAS NO BOTTLE Qty: 3 Preservation: ICE

Lot # NONE

Description: Do not ship container for this test.

Analysis
NW-UWF-ECQ

Description
Escherichia coli by Colilert 18 Quanti-Tray method by UWF Laboratory in Pensacola

Container ID: P-500ML

Qty: 3 Preservation: ICE And H2SO4

Lot # 00072044

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Description

Ammonia in aqueous matrices as mg N/L
Nitrite/Nitrate in aqueous matrices as mg N/L
Total Phosphorus in aqueous matrices as mg P/L
Total Kjeldahl Nitrogen in aqueous matrices
Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 3 Preservation: FILTER-ICE

Lot # 00069732

Description: Plastic Bottle 125 mL

Analysis
W-PO4-F

Description
Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B

of Sites: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00071233

Description: Plastic Bottle 1L

Analysis

ALKALINITY
TURBIDITY
W-F
W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L
Turbidity in aqueous matrices
Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1227219

Description: Brown Plastic Bottle 1L

Analysis
CHLSUITE-W

Description
Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: TEST HAS NO BOTTLE Qty: 2 Preservation: ICE

Lot # NONE

Description: Do not ship container for this test.

Analysis

NW-UWF-ENQ

NW-UWF-FC

Description

Enterococci by Enterolert Quanti-Tray method by UWF Laboratory in Pensacola

Fecal coliforms by membrane filter method by UWF Laboratory in Pensacola

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00072044

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 2 Preservation: FILTER-ICE

Lot # 00069732

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: Tyler R.

Number of Coolers: 1

Date: 08/07/18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2018-08-20-15

Document Reference # 05-10

Document Reference # 05-10

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Laboratory: Wetland Research Laboratory

— **Researcher:** Vocational Research Laboratory

Page 1 of 1

Date/Time: 8/2

Date/Time: _____

Sampler's initials: WJ

[illegible]

RQ-2018-08-20-15

Contact organization FDEP NWROC

Address 160 W Governmental Street, suite 208 Pensacola FL 32502

Matrix: SW = surface water, PW = pore water, GW = ground water, S = soil/sediment, X =

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

Contact name

Sampler's name:

Phone: (850) 595-8300

³ Recorded using IRT-2

Weilands Research Laboratory

University of Colorado Denver ROCT/MDSMP 2018/Contract Lab - UWf Pensacola Sample transmittal form Blank Lot# Xs

Send Coolers To:

Phone: SC-695-0605
160 W Government St
Suite 208A
Pensacola, FL 32502-5794
Attn: Michael King

Send Final Report To:

160 W Government St
Suite 208A
Pensacola, FL 32502-5794
Attn: Michael King

Report Type: Final Only
FTP Data: NO
QC Report: YES
Date Log: NO
Authorization Log: NO

Date of Request: 23-JUL-2018
Created By: KING_M On: 23-JUL-2018
Modified By: SWANSON_C On: 01-AUG-2018
Customer: NW-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: Northwest District
Sampling Event: EGLIN RUN WEST

Program Module Number: 1306
Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 31-JUL-2018
Biology Request Reviewed By: SWANSON_C On: 01-AUG-2018
Sampling Kit Required: YES Ship on: 10-AUG-2018
Sampling Kit Shipped: YES On: 07-AUG-2018
Sampling Kit Packed By: REYNOLDS_T
Preservatives Needed: NO
Date to Receive Samples: 20-AUG-2018
Received By:

Comments:

Group A: (WBID 620, 644, 658) Freshwater Kit, Contract Lab Bacteria [E.COLI]
Group A: (WBID 712, 751) Saltwater Kit, Contract Lab Bacteria [Enterococci, Fecal Coliform]
Add return shipping labels for both FedEx and UPS

Bottle Group A (Water) With 3 Samples:

Bottle Type: P-1L
Template: DEFAULT
Number of Bottles: 3
Preserved With: ICE
ALKALINITY (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
Template: DEFAULT
Turbidity (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
Template: DEFAULT
Chloride (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
Template: DEFAULT
True Color measured at 450 nm (SM 2120 B)
W-F Color (true)
Template: DEFAULT
W-COLOR
Template: DEFAULT
W-CL-IC
Template: DEFAULT
W-TSS
Template: DEFAULT
W-TDS
Template: DEFAULT
W-SO4-IC
Template: DEFAULT
Sulfate in aqueous matrices (EPA 300.0 Rev. 2.1)
Total Dissolved Solids in aqueous matrices (SM 2540 C-97)
Total Suspended Solids in aqueous matrices (SM 2540 D-97)
sample
Number of Bottles: 3
Preserved With: ICE
CHLSUITE-W
Template: DEFAULT
Spectrophotometry (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by
Number of Bottles: 3
Preserved With: ICE
Bottle Type: TEST HAS NO
Template: DEFAULT
NW-UWF-ECQ
Template: DEFAULT
Pensacola
Number of Bottles: 3
Preserved With: ICE
Escherichia coli by ColiCount 18 Quanti-Tray method by UWF Laboratory in
Preserved With: ICE And H2SO4
Ammonia in aqueous matrices as mg N/L (EPA 350.1 Rev. 2.0)
Nitrite/Nitrate in aqueous matrices as mg N/L (EPA 353.2 Rev. 2.0)
Total Phosphorus in aqueous matrices as mg P/L (EPA 351.2 Rev. 2.0)
Total Kjeldahl Nitrogen in aqueous matrices (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Template: DEFAULT
W-TKN
Template: DEFAULT
W-TOC
Template: DEFAULT
Bottle Type: P-125ML
W-P04-F
Template: DEFAULT

Bottle Group B (Water) With 2 Samples:

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L (EPA 365.1 Rev. 2.0)
Template: DEFAULT
Number of Bottles: 3
Preserved With: FILTER-ICE
Bottle Type: P-500ML
W-NH3
Template: DEFAULT
Ammonia in aqueous matrices as mg N/L (EPA 350.1 Rev. 2.0)
Nitrite/Nitrate in aqueous matrices as mg N/L (EPA 353.2 Rev. 2.0)
Total Phosphorus in aqueous matrices as mg P/L (EPA 351.2 Rev. 2.0)
Total Kjeldahl Nitrogen in aqueous matrices (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Template: DEFAULT
W-TKN
Template: DEFAULT
W-TOC
Template: DEFAULT
Bottle Type: P-125ML
W-P04-F
Template: DEFAULT

Bottle Group B (Water) With 2 Samples:

Bottle Type: P-125ML W-PO4-F	Template: DEFAULT	Number of Bottles: 2	Preserved With: FILTER-ICE	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L
	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
Bottle Type: P-1L ALKALINITY	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TSS	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: BP-1L CHLSSUITE-W	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(Enterolent/QT) Enterococci by membrane filter method by UWF Laboratory in Pensacola
	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(SM 9222 D) Fecal coliforms by membrane filter method by UWF Laboratory in Pensacola
Bottle Type: TEST HAS NO	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE And H2SO4	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-NH3	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-S-A-TP	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TKN	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
	Template: DEFAULT	Number of Bottles: 2	Preserved With: ICE	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices