

RQ- 2019-03-11-24

Log-in Checklist

Login Station ID: #4

Shipping Method: FedEx UPS | HD | GreyhoundDate/Time of Receipt: 03/12/2019 @ 10:15 am

Cooler Temperature*	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
	HNO ₃	Formalin		Present?		*Intact?		
				Yes	No	Yes	No	
1.3°C			8		X			4751 8777 3145
2.0°C			8		X			4751 8777 3156

* HNO₃ and Formalin persevered samples do **NOT** have a temperature requirement. For all others, 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 below, fill out the back of this form (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 03/12/19

CONTAINER CHECK

**Evidence Tape on Bottles? Yes No X 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: MR

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		X
W-PFAS-MS					

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No NA Init: MR

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

Coolers Unpacked/Checked by: Tyler Reynolds Date: 03/12/2019 NCRs (Y/N)? N

Event ID: Navarre Run
NW-DIST-2019-03-12-02 (SMP)
 Date Received: 12-MAR-2019 10:15
 Federal Express REF-4-4-1

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_04_2018
pH Paper 0.0 – 3.0 Lot #	
pH Paper 0 – 13 Lot #	222516EXP: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

Project ID: SMP

Requester: Michael King

Collected By:

Michael King

Frank Butera, J.Pitts

Field Report Prepared By: James Pitts

Sampling Agency: 21 FL PWS

Location	Field/WIN ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/11/19 Time 0900	Eastern ☒ Central	Composite end Date	Bottle Group(s) (See pg 2)	
Field ID		G4NW0198		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 6.97	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STC	Location:	Williams Creek below Frankfort Avenue		Temp (C) 19.7	pH 4.49	Sample Depth 0.1	Sp. Conductance (umho/cm) 69.96	
Latitude	☐ dd ☐ dms		☐ dd ☐ dms	Salinity (ppt) 0.03	Comments			A
Location	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/11/19 Time 0935	Eastern ☒ Central	Composite end Date	Bottle Group(s)	
Field ID		G4NW0193		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.26	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STC	Location:	TOM KING CREEK		Temp (C) 20.6	pH 5.69	Sample Depth 0.1	Sp. Conductance (umho/cm) 111.6	
Latitude	☐ dd ☐ dms		☐ dd ☐ dms	Salinity (ppt) 0.05	Comments			A
Location	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/11/19 Time 1010	Eastern ☒ Central	Composite end Date	Bottle Group(s)	
Field ID		G4NW0211		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 3.10	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STC	Location:	Discharge from Tiger Point Golf Course at Maplewood Drive		Temp (C) 22.02	pH 6.11	Sample Depth 0.1	Sp. Conductance (umho/cm) 176.3	
Latitude	☐ dd ☐ dms		☐ dd ☐ dms	Salinity (ppt) 0.08	Comments			B
Location	Field ID		☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Eastern ☐ Central	Composite end Date	Bottle Group(s)	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)	
				Salinity (ppt)	Comments			

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

James Pitts

3/11/19 1600

Fed Ex

2

Tyler Reynolds 03/12/19 @ 10:15

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	CHLSUITE-W						
Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2 sent to contract</u>
	NW-UWF-ECQ						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
	Lot: SA8197090 Exp: 07/16/19						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	CHLSUITE-W						
Group: B	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1 sent to contract</u>
	NW-UWF-ENQ						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-NH3						

Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NO2NO3				1
	W-S-A-TP				
	W-TKN				
	W-TOC				

Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F				1

Group: B	Bottle Type:	BG-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab
	W-PSNP-TQ				4

SAMPLE TRANSMITTAL FORM
Document Reference # 05.1.0

Project: FDEP

Laboratory: Wetlands Research Laboratory

Sampler's initials: HP

Method of transport: Drop off on ice by automobile

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Samples delivered by: Jaros PMS of FDEP

Date/Time: 3/11/19 1112

Sample received by: Jumpson of WRL

Date/Time: 3/11/19 1112

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	Type	Container Type	Analyses Requested	Preservative	Sample ("C")	Sampling Date/Time
<u>19-44895</u>	G4NW0211. Discharge from Tiger Point Golf Course at Maplewood Drive. Marine.	SW	G	Sterile plastic	Enterococci	ice/Na2S2O3	<u>5.7</u>	<u>3/11/19 1010</u>
<u>19-44896</u>	G4NW0193. Tom King Creek. Freshwater.	SW	G	Sterile plastic	Escherichia Coli	ice/Na2S2O3	<u>4.4</u>	<u>" 0935</u>
<u>19-44897</u>	G4NW0198. Williams Creek below Frankfort Road. Freshwater.	SW	G	Sterile plastic	Escherichia Coli	ice/Na2S2O3	<u>3.6</u>	<u>" 0900</u>

Comments sample container lot# 18145# Exp. 06/30/2021

RQ-2019-03-11-24

Contact organization FDEP NWROC

Contact name: Mike King

Phone: (850) 595-8300

Address 160 W Governmental Street, suite 208, Pensacola, FL 32502

Sampler's name: Frank Butera

¹Matrix: SW = surface water, PW = pore water, GW = ground water, S = soil/sediment, X =

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

³ Recorded using IRT-2

Date of Request: 18-FEB-2019
 Created By: KING_M On: 18-FEB-2019
 Modified By: JASROTIA_P On: 19-FEB-2019
 Customer: NW-DIST
 Project: SMP
 Division:
 District: Northwest District
 Sampling Event: Navarre Run

Send Coolers To:

Phone: 850-595-0605
 160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Michael King

Program Module Number:
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 19-FEB-2019
 Biology Request Reviewed By: JASROTIA_P On: 19-FEB-2019
 Sampling Kit Required: YES Ship on: 01-MAR-2019
 Sampling Kit Shipped: YES On: 27-FEB-2019
 Sampling Kit Packed By: REAVES_S
 Preservatives Needed: NO
 Date to Receive Samples: 11-MAR-2019
 Received By:

Send Final Report To:

160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch

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

Comments: Group A: Freshwater
 (WBID 833 864A) Nutrients, Bacteria

Group B: Marinewater
 (WBID 893) Nutrients, Bacteria

Packing Notes:

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) 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) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) 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-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) 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) Escherichia coli by Colilert 18 Quanti-Tray method by UWF Laboratory 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-00) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Group A (Water) With 2 Samples:

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: P-125ML	Number of Bottles: 1	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L
Bottle Type: BG-1L	Number of Bottles: 4	Preserved With: ICE
W-PSNP-TQ	Template: DEFAULT	(EPA 8270D) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS
Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-BR-IC	Template: DEFAULT	(EPA 300.0) Bromide in aqueous matrices
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TSS	Template: DEFAULT	(SM 2540 D-97) 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-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert Quanti-Tray method by UWF Laboratory in Pensacola
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-00) Nonpurgeable Organic Carbon in aqueous matrices

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