Log-in Checklist

RQ- 2019-10-21-24 Login Station ID: #5

Shipping Method: ~~FedEx~~ | UPS | HD | Greyhound Date/Time of Receipt: 10/ 22 /19 @ 10:10

Cooler Temperature*	Samples Frozen	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
					Present?		*Intact?		
	YES	HNO_3	Formalin		Yes	No	Yes	No	
0.7				14		✓			1278 4008 3295
1.6				19		✓			1278 4008 3300
2.1				6		✓			1278 4008 3284

* 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 and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation. An NCR still is required.**

**Chain of Custody/ Field Sheet(s) Included? Yes ✓ No_____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ✓ No_____

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

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: KK

Chlorine detected? (One container checked per Field ID) Yes_____ No ✓ Init: KK

If "YES", list affected Field IDs and Test IDs below.

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

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

**Acid Preserved Samples: pH≤2.0? Yes ✓ No____ NA____ Init: KK

**W-1-4-DIOX (Green dot on container) preserved to pH<4.0? Yes____ No____ NA ✓ Init: KK

Coolers Unpacked/Checked by: KK **Date:** 10/ 22 /19 **NCRs (Y/N)?** N

Event ID: PENS/CANT RUN NW-DIST-2019-10-22-01 (SMP) Date Received: 22-OCT-2019 10:10 **NCR #**_____

Log-in Checklist

Samples with Incorrect pH Preservation

Field ID	Bottle Test ID(s)	pH	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

Infrared Thermometer ID:	REC_07_2018 EXP:12/28/19
pH Test Strips 0 – 6 Lot #	
pH Paper 0 – 3 Lot #	220416A EXP:7/30/20
pH Paper 0 – 13 Lot #	215517 EXP:6/1/20
Chlorine Test Strips Lot #	091417V EXP:9/2021

Additional Comments:

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, 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: _____

Request Number: RQ-2019-10-21-24

PENS/CANT RUN

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NW-DIST

Project ID: SMP

Requester: Michael King

Collected By: Uyranda Clark / Nathan Mulkey

Field Report Prepared By: Nathan Mulkey

Sampling Agency: NWROC

Location

Field ID → **Field/WIN ID** → G4NW0492

WIN/S

Location:
Sanders Beach off I Street Dock

Latitud ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 10/21/19 Time 8:40 Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2): C

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 6.66 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 24.3 | pH 7.89 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 39,628

Salinity (ppt) 25.27 | Comments

Location

Field **Field/WIN ID** G4NW0430

WIN/

Location:
Jackson Creek upstream of Old Corry Field Road

Latitu ☐ dms ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 10/21/19 Time 09:00 Eastern Central | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 5.14 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 23.4 | pH 6.62 | Sample Depth 0.15 ☐ ft ☒ m | Sp. Conductance (umho/cm) 167.1

Salinity (ppt) 0.07 | Comments

Location

Field **Field/WIN ID** G5NW0068

WIN/

Location:
Rest Area Run below Beaver Pond Creek

Latitu ☐ dms ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 10/21/19 Time 9:45 Eastern Central | Composite end Date Time | Bottle Group(s): D

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 7.56 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 20.3 | pH 6.04 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 59.8

Salinity (ppt) 0.03 | Comments

Location

Field **Field/WIN ID** G5NW0051

WIN

Location:
Ten Mile Creek upstream of Pine Forest Road

Latit ☐ dms ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 10/21/19 Time 10:15 Eastern Central | Composite end Date Time | Bottle Group(s): E

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 8.03 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 21.6 | pH 6.43 | Sample Depth 0.1 ☐ ft ☒ m | Sp. Conductance (umho/cm) 124.2

Salinity (ppt) 0.06 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
N. Mulkey	10/21/19 15:00	FedEx	3	KK	10.22.19 / 1010

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	NW-UWF-ECQ					
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	PCR-BACR PCR-DG3 PCR-HF183					
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab _____
	W-CARB-AA					
Group: A	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	W-CT-CI-R W-PCL-SQ-R					
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	W-E8321-DI W-E8321-MS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN					

Group: A	Bottle Type: W-TOC	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
Group: A	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: NW-UWF-ECQ	TEST HAS NO BOTTLE	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab * sent to overflow
Group: B	Bottle Type: PCR-HF183	QPCR-P-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: B	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: NW-UWF-ENQ	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab * sent to overflow
Group: C	Bottle Type: PCR-HF183	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: C	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: D	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
Group: D	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab

Group: D	Bottle Type: NW-UWF-ECQ	TEST HAS NO BOTTLE	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	* sent to overflow
Group: D	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	
Group: D	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab**	
Group: E	Bottle Type: NW-UWF-ECQ	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	* sent to overflow
Group: E	Bottle Type: PCR-BACR PCR-DG3 PCR-HF183	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	
Group: E	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	

Request Number: RQ-2019-10-21-24

PENS/CANT RUN

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NW-DIST

Project ID: SMP

Requester: Michael King

Collected By:

Field Report Prepared By:

Sampling Agency:

Field/WIN ID G4NW0176

Location: Direct Runoff-Graveyard Branch @ Tradewinds Dr.

Latitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 10/21/19 Time 10:55 Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2): D

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 8.14 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 22.3 | pH 7.24 | Sample Depth 0.05 ☐ ft ☒ m | Sp. Conductance (umho/cm) 112.3

Salinity (ppt) 0.05 | Comments

Field/WIN ID G4NW0415

Location: Carpenter Creek upstream of 9th Avenue

Latitude ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 10/21/19 Time 11:30 Eastern Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 7.77 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 22.6 | pH 6.13 | Sample Depth 0.1 ☐ ft ☒ m | Sp. Conductance (umho/cm) 95.7

Salinity (ppt) 0.04 | Comments

Location

Field ID

WIN/STORET #

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time Eastern Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments

Location

Field ID

WIN/STORET #

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time Eastern Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
[signature]	10/21/19	FedEx	3	KH	10.22.19 / 1018

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	CHLSUITE-W						
Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	* Sent to eurofins
	NW-UWF-ECQ						
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	PCR-BACR PCR-DG3 PCR-HF183						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	
	W-CARB-AA						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-CT-CI-R W-PCL-SQ-R						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN						

Group: A	Bottle Type: W-TOC	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab**
Group: A	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 4
Group: B	Bottle Type: NW-UWF-ECQ	TEST HAS NO BOTTLE	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**
Group: B	Bottle Type: PCR-HF183	QPCR-P-500ML	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**
Group: B	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**
Group: C	Bottle Type: NW-UWF-ENQ	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**
Group: C	Bottle Type: PCR-HF183	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**
Group: C	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**
Group: D	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**
Group: D	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**

Group: D	Bottle Type: NW-UWF-ECQ	TEST HAS NO BOTTLE	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** 1 * sent to other
Group: D	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab** 1
Group: D	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab** 1
Group: E	Bottle Type: NW-UWF-ECQ	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**
Group: E	Bottle Type: PCR-BACR PCR-DG3 PCR-HF183	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**
Group: E	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**

SAMPLE TRANSMITTAL FORM
Document Reference # 05.1.0

Project: FDEP

Method of transport: Drop off on ice by automobile

Samples delivered by: N. Mulkey of FDEP

Sample received by: [signature] of WRL

Laboratory: Wetlands Research Laboratory

Page _1_ of _1_

Date/Time: 10/21/19 1205

Date/Time: 10/21/2019 1205

Sampler's intials : MC & NM

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
19-45820	G5NW0068 Rest Area Run	SW	G	Sterile plastic	Escherichia coli 18-QT	ice/Na2S2O3	3.1	10/21/19 9:45
19-45821	G5NW0051 Ten Mile Creek	SW	G	Sterile plastic	Escherichia coli 18-QT	ice/Na2S2O3	2.6	10/21/19 10:15
19-45822	G4NW0492 Sanders Beach	SW	G	Sterile plastic	~~Escherichia coli 18-QT~~ gs 10/22/19 Entero	ice/Na2S2O3	3.8	10/21/19 08:40
19-45823	G4NW0415 Carpenters Creek	SW	G	Sterile plastic	Escherichia coli 18-QT	ice/Na2S2O3	3.5	10/21/19 11:30
19-45824	G4NW0176 Graveyard Branch	SW	G	Sterile plastic	Escherichia coli 18-QT	ice/Na2S2O3	2.0	10/21/19 10:55
19-45825	G4NW0430 Jackson Creek	SW	G	Sterile plastic	Escherichia coli 18-QT	ice/Na2S2O3	2.8	10/21/19 09:00

Comments sample container lot# # L19192

RQ-2019-10-21-24

Contact organization FDEP

Contact name Michael King

Phone: (850) 595-8300

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

Sampler's name: M. Clark & N. Mulkey

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

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

[3] Recorded using IRT-2

RQ-2019-10-21-24

Date of Request:	26-SEP-2019
Created By:	KING_M On: 26-SEP-2019
Modified By:	JASROTIA_P On: 02-OCT-2019
Customer:	NW-DIST
Project:	SMP
Division:	Division of Environmental Assessment and Restoration
District:	Northwest District
Sampling Event:	PENS/CANT RUN

Send Coolers To:

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

Send Final Report To:

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

Program Module Number:	1306
Priority:	3
Event Status:	S
Criminal Investigation:	NO
Chemistry Request Reviewed By:	WATTS_J On: 02-OCT-2019
Biology Request Reviewed By:	JASROTIA_P On: 02-OCT-2019
Sampling Kit Required:	YES Ship on: 14-OCT-2019
Sampling Kit Shipped:	YES On: 11-OCT-2019
Sampling Kit Packed By:	REYNOLDS_T
Preservatives Needed:	NO
Date to Receive Samples:	21-OCT-2019
Received By:	

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

Comments:

Group A: (WBID676) Freshwater Kit With Metals, Pesticides, Contract Lab Bacteria, Tracers, Markers

Group B: (WBID 846A 846B) Contract Lab Bacteria, Tracers, Markers

Group C: (WBID 846DA) Contract Lab Bacteria, Tracers, Markers

Group D: (WBID639, 542) Freshwater Kit, Contract Lab Bacteria

Group E: (WBID 489A) Contract Lab Bacteria, Tracers, Markers

Bottle Group A (Water) With 1 Samples:

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-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR Color (true)	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
W-F	Template: DEFAULT	(SM 4500 F-C-97) 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-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: 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:	(EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

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: QPCR-P-500ML — Number of Bottles: 1 — Preserved With: ICE

Bottle Group A (Water) With 1 Samples:

Bottle Type: QPCR-P-500ML Number of Bottles: 1 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
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: 1 Preserved With: CH2ClCOOH Pre-Preserved

W-CARB-AA	Template: DEFAULT	(EPA 8321B) Carbamates in water matrices by HPLC/MS/MS

Bottle Type: BG-500ML Number of Bottles: 4 Preserved With: ICE

W-CT-CI-R	Template: DEFAULT	(EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Template:	(EPA 8270E) Organochlorine pesticides in water matrices by GC/MS-SIM

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-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
- Calcium
- Iron
- Magnesium
- Potassium
- Sodium
- 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-00) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Group B (Water) With 2 Samples:

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-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 Group C (Water) With 1 Samples:

Bottle Group C (Water) With 1 Samples:

Bottle Type: TEST HAS NO Number of Bottles: 1 Preserved With: ICE

NW-UWF-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola

Bottle Type: QPCR-P-500ML Number of Bottles: 1 Preserved With: ICE

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: 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 Group D (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 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) True Color measured at 450 nm
W-F	Template: DEFAULT	(SM 4500 F-C-97) 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-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) 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-00) 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 E (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: QPCR-P-500ML Number of Bottles: 1 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
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: 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

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

Cooler Packing Worksheet for Request: RQ-2019-10-21-24
PENS/CANT RUN
Ship Cooler On: 10/11/2019
Customer/Project: NW-DIST/SMP

Assigned To: REYNOLDS_T
Requester: Michael King
Priority: 3

850-595-0605
160 Government Center
Suite 208
Pensacola, FL 32502-5794

Attn: Michael King

Please return packing list with sample submittal forms.

Comments:
No preservatives needed.

Group A: (WBID676) Freshwater Kit With Metals, Pesticides, Contract Lab Bacteria, Tracers, Markers

Group B: (WBID 846A 846B) Contract Lab Bacteria, Tracers, Markers

Group C: (WBID 846DA) Contract Lab Bacteria, Tracers, Markers

Group D: (WBID639, 542) Freshwater Kit, Contract Lab Bacteria

Group E: (WBID 489A) Contract Lab Bacteria, Tracers, Markers

Requested Analyses:

Bottle Group: A **# of Sites: 1**

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 00073854

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L **Qty: 1** **Preservation: ICE** **Lot #** 1259820

Description: Brown Plastic Bottle 1L

Analysis	Description

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

Container ID: TEST HAS NO BOTTLE **Qty: 1** **Preservation: ICE** **Lot #** NOWF

Description: Do not ship container for this test.

Analysis	Description
NW-UWF-ECQ	E. coli by Colilert-18/QT by UWF in Pensacola

Container ID: QPCR-P-500ML **Qty: 1** **Preservation: ICE** **Lot #** 0207145?

Description: 500ml Sterile Nalgene Affix PCR Instruction Label to container

Analysis	Description
PCR-BACR	Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction
PCR-DG3	Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction
PCR-HF183	Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML **Qty: 1** **Preservation: CH2ClCOOH Pre-Preserved** **Lot #** 0207491?

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-CARB-AA	Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML **Qty: 4** **Preservation: ICE** **Lot #** 0207491?

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-CT-CI-R	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML **Qty: 1** **Preservation: ICE** **Lot #** 0207491?

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML **Qty: 1** **Preservation: HNO3** **Lot #** 0007526

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

---

Container ID: P-500ML **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 0007526

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 1** **Preservation: FILTER-ICE** **Lot #** 0007527

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Container ID: BG-1L **Qty: 4** **Preservation: ICE** **Lot #** 0007721

Description: Brown Glass Bottle 1L Affix BLUE dot to container.

Analysis	Description
W-PSNP-TQ	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group: B **# of Sites: 2**

Container ID: TEST HAS NO BOTTLE **Qty: 2** **Preservation: ICE** **Lot #** NONE

Description: Do not ship container for this test.

Analysis	Description
NW-UWF-ECQ	E. coli by Colilert-18/QT by UWF in Pensacola

Container ID: QPCR-P-500ML **Qty: 2** **Preservation: ICE** **Lot #** 08071457

Description: 500ml Sterile Nalgene Affix PCR Instruction Label to container

Analysis	Description
PCR-HF183	Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML **Qty: 2** **Preservation: ICE** **Lot #** 0807491Y

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: C # of Sites: 1

Container ID: TEST HAS NO BOTTLE **Qty: 1** **Preservation: ICE** **Lot #** NONE

Description: Do not ship container for this test.

Analysis	Description
NW-UWF-ENQ	Enterococci by Enterolert/QT by UWF in Pensacola

Container ID: QPCR-P-500ML **Qty: 1** **Preservation: ICE** **Lot #** 08071457

Description: 500ml Sterile Nalgene Affix PCR Instruction Label to container

Analysis	Description
PCR-HF183	Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML **Qty: 1** **Preservation: ICE** **Lot #** 0807491Y

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: D # of Sites: 2

Container ID: P-1L **Qty: 2** **Preservation: ICE** **Lot #** 0607315 4

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

---

Container ID: BP-1L **Qty: 2** **Preservation: ICE** **Lot #** 1259820

Description: Brown Plastic Bottle 1L

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

---

Container ID: TEST HAS NO BOTTLE **Qty: 2** **Preservation: ICE** **Lot #** N UWE

Description: Do not ship container for this test.

Analysis	Description
NW-UWF-ECQ	E. coli by Colilert-18/QT by UWF in Pensacola

Container ID: P-500ML **Qty: 2** **Preservation: ICE And H2SO4** **Lot #** 0000755 26

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 2** **Preservation: FILTER-ICE** **Lot #** 0000754 27

Description: Plastic Bottle 125 mL

Analysis	Description

W-PO4-F Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: E # of Sites: 1

Container ID: TEST HAS NO BOTTLE **Qty: 1** **Preservation: ICE** **Lot #** NONE

Description: Do not ship container for this test.

Analysis	Description
NW-UWF-ECQ	E. coli by Colilert-18/QT by UWF in Pensacola

Container ID: QPCR-P-500ML **Qty: 1** **Preservation: ICE** **Lot #** 0007M57

Description: 500ml Sterile Nalgene Affix PCR Instruction Label to container

Analysis	Description
PCR-BACR	Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction
PCR-DG3	Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction
PCR-HF183	Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML **Qty: 1** **Preservation: ICE** **Lot #** 0007U914

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Cooler Packed By: TYLER Number of Coolers: 3 Date: 10/11/19

Kit must also include:
- ✓ Field Sheets
- ✓ Temperature Control Bottle
- ✓ FedEx Bills, if applicable
- ✓ Plastic Bags/Zip Ties
- X 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-2019-10-21-24