

Log-in Checklist

RQ- 2018-01-29-19

Shipping Method: FEDEX

Date/Time of Receipt: 02/02/18 ^{10:18} 9:18

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	0.1°C	13		X			811977809725
Red	0.7°C	12		X			811939045124

*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

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 (Blue dot on container)

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-AHERB-AA (-AHB-AA-R)			W-PCL-SQ (-R)		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PESTNP-R		
W-ENDO-AA			W-PSCL-TQ		
W-GLYPH			W-PSNP-TQ		
W-NP-AA-SF			W-PST-CL-R		
W-PAH (-R)			W-TR-TQ		
W-PCB-R			W-CT-CI-R		

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

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

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

Coolers Unpacked/Checked by: Tyler R. Date: 02/02/18 NCRs (Y/N)? N

Event ID NW RUN NCR #

NW-DIST-2018-02-02-01 (SMP)

Date Received: 02-FEB-2018 10:

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

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_____ No_____

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: _____

Additional Comments:

1 of 2 coolers

Request Number:

RO-2018-01-29-19

Florida Department of Environmental Protection
Central Laboratory Submittal Form

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last revised Nov 10, 2015

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: W Bretana

Project ID: SMP

Collected By: J Pitts & W Bretana

Sampling Agency: 21 FLPS

Location	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/1/18 Time 9:30	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field/WIN ID G4NW0355	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 9.46	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B
Location: Moore Creek above Chamuckla Springs Road	Temp (C) 14.67	pH 6.26	Sample Depth 0.09	Sp. Conductance (umho/cm) 49	
☐ dms	Salinity (ppt) 0.02	Comments			
Location	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/1/18 Time 10:10	Eastern Central	Composite end Date Time	Bottle Group(s)
Field/WIN ID G4NW0320	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 9.00	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B
Location: McCostill Mill Creek West Ebenezer Rd	Temp (C) 17.41	pH 5.15	Sample Depth 0.11	Sp. Conductance (umho/cm) 46	
☐ dms	Salinity (ppt) 0.02	Comments			
Location	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/1/18 Time 10:50	Eastern Central	Composite end Date Time	Bottle Group(s)
Field/WIN ID G4NW0421	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 10.17	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B
Location: Big Escambia River downstream of Fannie Rd	Temp (C) 12.16	pH 6.43	Sample Depth 0.3	Sp. Conductance (umho/cm) 28	
☐ dms	Salinity (ppt) 0.01	Comments			
Location	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/1/18 Time 11:20	Eastern Central	Composite end Date Time	Bottle Group(s)
Field/WIN ID G4NW0163	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 8.85	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B
Location: Wiggins Branch below Hwy 29	Temp (C) 11.76	pH 6.43	Sample Depth 0.06	Sp. Conductance (umho/cm) 37	
☐ dms	Salinity (ppt) 0.02	Comments			

Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
WBretana	2/1/18 1600	FEDEX					Tyler R	02/02/18

10:18

2 of 2 coolers

Request Number:

RD-2018-01-29-19

**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

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last revised Nov 10, 2015

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: W Bretana

Project ID: SMP

Collected By: J Pitts & W Bretana

Sampling Agency: 21 FLANS

Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 2/1/18 Time 1145		Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field/WIN ID		Barcode		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Location: Mitchell Creek upstream of HWY 29		G4NW0116		Temp (C) 12.01		pH 6.19		Sample Depth 0.21		Sp. Conductance (umho/cm) 18	
☐ dd ☐ dms		☐ dd ☐ dms		Salinity (ppt) 0.01		Comments					
Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 2/1/18 Time 1330		Eastern Central		Composite end Date Time		Bottle Group(s)	
Field/WIN ID		Barcode		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Location: Little Pine Barren Creek ABOVE CR 99		G4NW0420		Temp (C) 13.65		pH 6.26		Sample Depth 0.17		Sp. Conductance (umho/cm) 44	
☐ dd ☐ dms		☐ dd ☐ dms		Salinity (ppt) 0.02		Comments					
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date Time		Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
STORET #		Temp (C)		pH		Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		Comments					
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date Time		Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
STORET #		Temp (C)		pH		Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		Comments					

Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
W Bretana	2/1/18 1000	FEDEX					Tyler R.	02/02/18

10:15

Document Reference # 05.1.0

Project: FDEP

Laboratory: Wetlands Research Laboratory

Sampler's initials: JP/WB

Method of transport: Drop off on ice by automobile

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Samples delivered by: W. Butts of FDEP

Date/Time: 2/1/18 1:325

Sample received by: Leung of WRL

Date/Time: 21/18 1/1325

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.

[illegible]

Comments sample container lot# #17044

RQ-2018-01-29-19

Contact organization FDEP

Contact name Nathan Mulkey

Phone: (850) 595-8300

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

Sampler's name: Nathan Mulkey

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: 08-JAN-2018
 Created By: KING_M On: 08-JAN-2018
 Modified By: SWANSON_C On: 11-JAN-2018
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Sampling Event: NW RUN

Send Coolers To:

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

Program Module Number: 1306
 Priority: 3
 Event Status: A
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 11-JAN-2018
 Biology Request Reviewed By: SWANSON_C On: 11-JAN-2018
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped:
 Sampling Kit Packed By:
 Preservatives Needed: NO
 Date to Receive Samples: 29-JAN-2018
 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: (WBID 71) Freshwater Kit With Metals, Contract Lab Bacteria
 Group B: (WBID 111, 118, 25, 10,87) Freshwater Kit, Contract Lab Bacteria

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 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
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 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by UWF Overflow Laboratory for NWD
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO ₃
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
Calcium		
Chromium		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic Cadmium Copper Lead Silver		

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 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 5 Samples:

Bottle Type: P-500ML	Number of Bottles: 5	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: 5	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: 5	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	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-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
Bottle Type: BP-1L	Number of Bottles: 5	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: 5	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by UWF Overflow Laboratory for NWD