

Log-in Checklist

RQ- 2018-03-12-53

Shipping Method: FedEx | UPS | (HD) Greyhound | _____

Date/Time of Receipt: 3/15/18 14:20

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	Yes	No		
RED	1.6°C	17		✓			
RED	0.6°C	19		✓			
RED	5.6°C	12		✓			

*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 ☒

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 (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-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: 4.2

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☒ NA ☐ Init: 4.2

Coolers Unpacked/Checked by: 4.2 Date: 3/15/18 NCRs (Y/N)? _____

Event ID: WAS-SECT-2018-03-15-01 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

ENCORE SAMPLES

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

Were Encore samples received? Yes _____ No ✓ _____

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:

Swamp, Salem, Caney, Harbiwood, Ocklock

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Ben Ralys, Phil Homann

Project ID: SMP

Collected By: Ben Ralys, Phil Homann

Sampling Agency: FDEP

Location	WIN ID / FIELD ID		☐ Comp	Collection (comp begin or grab)	☒ Eastern	Composite end	Bottle Group(s)
Field ID	Ochlockonee River		☒ Grab	Date 3/15/18 Time 1200	Central	Date - Time -	(See pg 2)
WIN/STORET #	Downstream of Tower Rd	G1WA0070	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine	A, B, C
Latitude	30.52646	Longitude -84.38821	Temp (C) 13.43 pH 6.82		90.9	(mg/L)	
Salinity (ppt)	0.05	Sample Depth		0.3	Sp. Conductance (umho/cm)	107	
Comments							
Location	WIN ID/Field ID		☐ Comp	Collection (comp begin or grab)	☒ Eastern	Composite end	Bottle Group(s)
Field ID	Harbinwood Estates Drain		☒ Grab	Date 3/15/18 Time 950	Central	Date - Time -	(See pg 2)
WIN/STORET #		G1WA0034	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine	A, B, C
Latitude	30.5193	Longitude -84.3357	Temp (C) 12.13 pH 7.32		73.0	(mg/L)	
Salinity (ppt)	0.06	Sample Depth		0.1	Sp. Conductance (umho/cm)	126	D, E
Comments							
Location	WIN ID / FIELD ID		☐ Comp	Collection (comp begin or grab)	☒ Eastern	Composite end	Bottle Group(s)
Field ID	Ochlockonee River		☒ Grab	Date 3/15/18 Time 1330	Central	Date - Time -	(See pg 2)
WIN/STORET #	Upstream of US 90	G1WA0068	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine	A, B, C
Latitude	30.47573	Longitude -84.40595	Temp (C) 14.02 pH 6.61		92.8	(mg/L)	
Salinity (ppt)	0.05	Sample Depth		0.3	Sp. Conductance (umho/cm)	112	
Comments							
Location	WIN ID/Field ID		☐ Comp	Collection (comp begin or grab)	☒ Eastern	Composite end	Bottle Group(s)
Field ID	Caney Creek		☒ Grab	Date 3/15/18 Time 900	Central	Date - Time -	(See pg 2)
WIN/STORET #	Upstream of US 90	G1WA0014	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	Total Res. Chlorine	A, B, C, D, E, F
Latitude	30.5325	Longitude -83.9501	Temp (C) 8.50 pH 6.69		102.2	(mg/L)	
Salinity (ppt)	0.04	Sample Depth		0.1	Sp. Conductance (umho/cm)	89	
Comments							

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

Ben Ralys

3/15/18 2:20

Delivered

3

Ben Ralys

3-15-18 14:20

Group: A	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	7
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 7	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	7
	W-PO4-F						
Group: B	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	6
	W-ICP						
	W-ICPMS						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8
	ECOLI-18QT						
Group: D	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-E8321-DI						
	W-E8321-MS						
Group: E	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	PCR-FILTER						
Group: F	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	PCR-BACR						
	PCR-FILTER						

Swamp, Salem, Caney, Harbiwood, Ocklock

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

Ben Ralys, Phil Homann

Project ID: SMP

Collected By:

Ben Ralys, Phil Homann

Sampling Agency:

FDEP

Location	Swamp Creek upstream of Railroad		WIN ID / FILED ID G1WA0052	☐ Comp ☒ Grab	Collection (comp begin or <u>Grab</u>) Date <u>3/15/18</u> Time <u>1040</u>	<u>Eastern</u> Central	Composite end Date <u>—</u> Time <u>—</u>	Bottle Group(s) (See pg 2)
Field ID					Matrix (type, e.g., Salt, <u>Fresh</u> , etc) <u>Fresh</u>	Diss. Oxygen <u>102.8</u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u>—</u>
WIN/STORET #					Temp (C) <u>10.30</u>	pH <u>6.87</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>87</u>
Latitude	<u>30.663</u>	☒ dd ☐ dms	Longitude	<u>-84.448</u>	☒ dd ☐ dms	Salinity (ppt) <u>0.04</u>	Comments	
Location	Salem Branch downstream of SR 159		WIN ID / Field ID G1WA0053	☐ Comp ☒ Grab	Collection (comp begin or <u>Grab</u>) Date <u>3/15/18</u> Time <u>1030</u>	<u>Eastern</u> Central	Composite end Date <u>—</u> Time <u>—</u>	Bottle Group(s)
Field ID					Matrix (type, e.g., Salt, <u>Fresh</u> , etc) <u>Fresh</u>	Diss. Oxygen <u>87.3</u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u>—</u>
WIN/STORET #					Temp (C) <u>10.69</u>	pH <u>7.15</u>	Sample Depth <u>0.1</u>	Sp. Conductance (umho/cm) <u>170</u>
Latitude	<u>30.63082</u>	☒ dd ☐ dms	Longitude	<u>-84.43155</u>	☒ dd ☐ dms	Salinity (ppt) <u>0.08</u>	Comments	
Location	Ochlockonee River Upstream of Old Brainbridge		WIN ID / FIELD ID G1WA0071	☐ Comp ☒ Grab	Collection (comp begin or <u>Grab</u>) Date <u>3/15/18</u> Time <u>1115</u>	<u>Eastern</u> Central	Composite end Date <u>—</u> Time <u>—</u>	Bottle Group(s)
Field ID					Matrix (type, e.g., Salt, <u>Fresh</u> , etc) <u>Fresh</u>	Diss. Oxygen <u>94.7</u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u>—</u>
WIN/STORET #					Temp (C) <u>13.15</u>	pH <u>6.95</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>103</u>
Latitude	<u>30.5864</u>	☒ dd ☐ dms	Longitude	<u>-84.3571</u>	☒ dd ☐ dms	Salinity (ppt) <u>0.05</u>	Comments	
Location	Ochlockonee River Upstream of Tower Rd		WIN ID / FIELD ID G1WA0069	☐ Comp ☒ Grab	Collection (comp begin or <u>Grab</u>) Date <u>3/15/18</u> Time <u>1215</u>	<u>Eastern</u> Central	Composite end Date <u>—</u> Time <u>—</u>	Bottle Group(s)
Field ID					Matrix (type, e.g., Salt, <u>Fresh</u> , etc) <u>Fresh</u>	Diss. Oxygen <u>92.7</u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) <u>—</u>
WIN/STORET #					Temp (C) <u>13.38</u>	pH <u>6.77</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>107</u>
Latitude	<u>30.52967</u>	☒ dd ☐ dms	Longitude	<u>-84.38896</u>	☒ dd ☐ dms	Salinity (ppt) <u>0.05</u>	Comments	

Relinquished By:

Ben Rn

Date/Time

3/15/18 2:20

Shipping Method

Delivered

Number of Coolers Shipped:

3

Received By:

ABJ

Date/Time

3-15-18 11:20

Group: A	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	7
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 7	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	7
	W-PO4-F						
Group: B	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	6
	W-ICP						
	W-ICPMS						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8
	ECOLI-18QT						
Group: D	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-E8321-DI						
	W-E8321-MS						
Group: E	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	PCR-FILTER						
Group: F	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	PCR-BACR						
	PCR-FILTER						

Date of Request: 20-FEB-2018
 Created By: MUSSON_C On: 20-FEB-2018
 Modified By: SWANSON_C On: 22-FEB-2018
 Customer: WAS-SECT
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: Swamp, Salem, Caney, Harbiwood, Ocklock

Send Coolers To:

Phone: 850-245-8453
 2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Curtis Musson

Program Module Number:

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 20-FEB-2018
 Biology Request Reviewed By: SWANSON_C On: 22-FEB-2018
 Sampling Kit Required: YES Ship on: 08-MAR-2018
 Sampling Kit Shipped: YES On: 08-MAR-2018
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: YES
 Date to Receive Samples: 15-MAR-2018
 Received By:

Send Final Report To:

2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Curtis Musson

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

Comments: Group A: Freshwater Kit
 Group B: Metals
 Group C: E. coli
 Group D: Tracers
 Group E: PCR-Filter
 Group F: PCR-FILTER & PCR-BacR

Packing Notes:
 No Fedex labels
 No Trash Bags
 2 submittal forms
 1 - case of Nitric Acid

Bottle Group A (Water) With 7 Samples:

Bottle Type: P-1L	Number of Bottles: 7	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: 7	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 7	Preserved With: ICE And H₂SO₄
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 7 Samples:

Bottle Type: P-125ML Number of Bottles: 7 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 6 Samples:

Bottle Type: P-500ML Number of Bottles: 6 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

Calcium
 Chromium
 Iron
 Magnesium
 Nickel
 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

Arsenic
 Cadmium
 Copper
 Lead
 Silver

Bottle Group C (Water) With 8 Samples:

Bottle Type: Number of Bottles: 8 Preserved With: ICE
 ECOLI-18QT Template: DEFAULT (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group D (Water) With 2 Samples:

Bottle Type: BG-500ML Number of Bottles: 2 Preserved With: ICE
 W-E8321-DI Template: SUCRALOSE (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
 W-E8321-MS Template: (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group E (Water) With 1 Samples:

Bottle Type: QPCR-P-250ML Number of Bottles: 2 Preserved With: ICE
 PCR-FILTER Template: DEFAULT (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group F (Water) With 1 Samples:

Bottle Type: QPCR-P-250ML Number of Bottles: 2 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-FILTER Template: DEFAULT (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis

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