

Log-in Checklist

RQ- **2018-07-09-59**

Login Station ID: **# 3**

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: **09/27/2018 / 14:00**

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)
				Present?		*Intact?		
	HNO ₃	Formalin		Yes	No	Yes	No	
2.4C			AD-15 10		x			
3.5C			10		X			

* 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 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 **X** No

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes No **X** Date

CONTAINER CHECK

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

****Caps on tight?** Yes **X** No ****Containers intact?** Yes No

****Sufficient Sample Volume:** Yes **X** No

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes No **X** Init: **ABS**

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 **X** No NA Init: **ABS / JA**

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

Coolers Unpacked/Checked by: **ABS / JA** Date: **09/27/2018** NCRs (Y/N)? **X**

Event ID: **TLH-ROC-2018-09-27-01** 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

Additional Comments:

Infrared Thermometer ID:	REC_03_2018
pH Paper 0.0 – 3.0 Lot #	2305 15 EXP:10/30/2018
pH Paper 0 – 13 Lot #	222516 EXP:09/15/2019
Chlorine Test Strips Lot #	7226 EXP:20/20/07

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: _____

Central Laboratory Submittal Form

Customer: TLH-ROC

Requester: Chris Green

Field Report Prepared By: Woods

Project ID: SMP

Collected By: Woods/Burkett

Sampling Agency: 8034

Location	Field/WIN ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/27/18 Time 925	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID	Location ↓	G1TLHR0089	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 3.35	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STOR			Temp (C) 24.9	pH 4.04	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 60
Latitude			☐ dd ☐ dms	Salinity (ppt) 0.03	Comments		
Location	Field/WIN ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/27/18 Time 1025	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Location ↓	G1TLHR0093	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 3.76	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STOR		Econfina River @ Fulford Bridge Rd	Temp (C) 25.0	pH 5.64	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 62
Latitude			☐ dd ☐ dms	Salinity (ppt) 0.03	Comments		
Location	Field/WIN ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/27/18 Time 1220	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Location ↓	G1TLHR0092	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 4.14	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STOR		Econfina River @ Cabbage Grove Salt Rd	Temp (C) 24.8	pH 6.95	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 203
Latitude			☐ dd ☐ dms	Salinity (ppt) 0.10	Comments		
Location	Field/WIN ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/27/18 Time 1240	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Location ↓	G1TLHR0070	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 4.00	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STOR		Econfina River 100m upstream of US98	Temp (C) 24.6	pH 7.07	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 256
Latitude			☐ dd ☐ dms	Salinity (ppt) 0.12	Comments		

Relinquished By: JW	Date/Time: 9/27/18	Shipping Method: HD 1402	Number of Coolers Shipped: 2	Received By: [Signature]	Date/Time: 9/27/18 1400
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kit A w/ bacteria

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC

Requester: Chris Green

Field Report Prepared By: Woods

Project ID: SMP

Collected By: Woods/BustcheltSampling Agency: 6034

Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>9/27/18</u> Time <u>1105</u>		☒ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s) (See pg 2)		
Field ID	Field/WIN ID → Location ↓	 G1TLHR0051		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>5.90</u>		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
WIN/STORE #			Temp (C) <u>23.7</u>		pH <u>7.42</u>		Sample Depth <u>0.2</u>		☐ ft ☒ m		Sp. Conductance (umho/cm) <u>254</u>	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) <u>0.12</u>		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)					
WIN/STORE #	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)					
WIN/STORE #	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)					
WIN/STORE #	Temp (C)		pH		Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments		

Relinquished By: <u>Woods</u>	Date/Time: <u>9/27/18</u>	Shipping Method: <u>HD 1402</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>[Signature]</u>	Date/Time: <u>9/27/18</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUTE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	4
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	4
	W-PO4-F						

H2SO4
LOT# S08101620
EXP: 04/11/2019

609110
4/9/19

Printed: 9/27/2018 14:15:54

Page 1 of 2

Date of Request: 29-JUN-2018
 Created By: GREEN_C On: 29-JUN-2018
 Modified By: SWANSON_C On: 03-JUL-2018
 Customer: TLH-ROC
 Project: SMP
 Division:
 District: Not Applicable
 Sampling Event: kit C (WBID 3402) Econfin River Run_2 Blank & Dup

Send Coolers To:

Phone: 850-245-8413
 2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Chris Green

Send Final Report To:

2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Michael Eckles

Program Module Number:
 Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 02-JUL-2018
 Biology Request Reviewed By: SWANSON_C On: 03-JUL-2018
 Sampling Kit Required: YES Ship on: 06-JUL-2018
 Sampling Kit Shipped: YES On: 06-JUL-2018
 Sampling Kit Packed By: GREENWOO_J
 Preservatives Needed: NO
 Date to Receive Samples: 09-JUL-2018
 Received By: SHAIK_A On: 27-SEP-2018

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

Comments: no FedEx bills or zip ties

Bottle Group A (Water) With 6 Samples:

Bottle Type: P-1L	Number of Bottles: 6	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: 6	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: 6	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		
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		

Bottle Group A (Water) With 6 Samples:

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

Copper
Lead
Silver

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