Log-in Checklist

RQ-2018-07-16-44

Login Station ID: #2

Shipping Method: [✓ FedEx] | UPS | HD | Greyhound | ____________

Date/Time of Receipt: 8-22-18/9:40

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	
White	0.4	4		✓			

*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_____ Date__________

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:______

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: SK

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes_____ No_____ NA ✓ Init: SK

Coolers Unpacked/Checked by: SK **Date:** 8-22-18 **NCRs (Y/N)?** N

Event ID: CEN-DIST-2018-08-22-01 **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

Infrared Thermometer ID:	REC_02_2018
pH Paper 0.0 – 3.0 Lot #	230515 EXP:10-30-18
pH Paper 0 – 13 Lot #	222516 EXP:08-15-19
Chlorine Test Strips Lot #	7226 EXP:07/2020

Additional Comments:

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_______ If no, were samples shipped on dry ice? Yes_______ No_______ 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-2018-07-16-44
Withlacoochee

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 2
last revised Jan 25, 2018

Customer: CEN-DIST
Project ID: SMP

Requester: Michael Linger
Field Report Prepared By: Terry Riordan
Collected By: Terry Riordan / Elizabeth Bates
Sampling Agency: 21 FL CEW

WIN ID / Field ID →
Withlacoochee River @ Upstream of SR 33 (1329G)
G4CE0138

Location	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 8-21-18 Time 1010	[✓ Eastern] Central	Composite end Date Time	Bottle Group(s) (See pg 2) A
Field ID	Matrix (type, e.g., Salt, [✓ Fresh], etc)		Diss. Oxygen 2.60 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORE	Temp (C) 25.45	pH 4.11	Sample Depth 0.3 ☐ ft ☑ m	Sp. Conductance (umho/cm) 78	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.04	Comments CD-FLR-ECQ - sent to Flowers		

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/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)	
WIN/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)	
WIN/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	Number of Coolers Shipped:	Received By:	Date/Time
Terry Riordan	8/21/18 1300	Fed Ex	1	SR	8-22-18/9:50

Group: A Bottle Type: P-1L # of Bottles: 1 Preservative: ICE **Enter Number of Bottles Sent to Lab** 1

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Group: A Bottle Type: P-250ML-WI-THI # of Bottles: 1 Preservative: Na thiosulfate and Ice **Enter Number of Bottles Sent to Lab** 1 - sent to Flowers

CD-FLR-ECQ

Group: A Bottle Type: BP-1L # of Bottles: 1 Preservative: ICE **Enter Number of Bottles Sent to Lab** 1

CHLSUITE-W

Group: A Bottle Type: P-500ML # of Bottles: 1 Preservative: ICE And H2SO4 **Enter Number of Bottles Sent to Lab** 1

W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

H_2SO_4
LOT# SA8101020
EXP: 04/11/2019

Group: A Bottle Type: P-125ML # of Bottles: 1 Preservative: FILTER-ICE **Enter Number of Bottles Sent to Lab** 1

W-PO4-F

CONTRACT LAB - CHAIN OF CUSTODY

Client Name: Department of Environmental Protection
Address: 3319 Maguire Blvd Suite 232, Orlando, FL 32803
Project Manager: Natalie Ayala / Michael Linger / Kalina Warren
E-Mail: DEP-overflowmicro@dep.state.fl.us
Telephone Number: (407) 897-4100

Project Name: SMP
Project Number: RQ- 2018-07-16-44
Site Location: Withlacoochee River

Contract/PO # FLOWERS - B3508E **Sampler Names:** Terry Riordan/Elizabeth Bates **Signature:**

							Preservative					Matrix						Analyze For:		
FIELD ID	Lab No. (Lab Use Only)	Date	Time Sampled	No. of Containers	Grab	Composite	ICE	HCL	HNO3	NONE		Groundwater	Wastewater	Drinking Water	Surface Water		Escherichia Coli (ECQ)	Enterococci (ENQ)	Fecal Coliform (FC)	
G4CE0138		8/21/18	1010	1	X		X								X		X			

Special Instructions:

Samples are ambient water and not suspected to contain chlorine

Note to samplers: For Site with E.coli only, email both custody and submittal forms to Joshua Ayers and cc John Watts.

Relinquished by:	Date	Time	Received by:	Date	Time	Comments
Terry Riordan	8/21/18	1207		8/21	1207	Temp Upon Receipt : 3°C
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact? [✓ Y] N

RQ-2018-07-16-44

Printed: 8/22/2018 10:07:54 AM

Page 1 of 1

Date of Request: 28-JUN-2018
Created By: LINGER_M On: 28-JUN-2018
Modified By: SWANSON_C On: 29-JUN-2018
Customer: CEN-DIST
Project: SMP
Division:
District: Central District
Sampling Event: Withlacoochee

Send Coolers To:

Phone: 407-897-4180
FL Dept. of Environmental Protection
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767
Attn: Mike Linger

Program Module Number: 1306
Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 28-JUN-2018
Biology Request Reviewed By: SWANSON_C On: 29-JUN-2018
Sampling Kit Required: YES Ship on: 06-JUL-2018
Sampling Kit Shipped: YES On: 05-JUL-2018
Sampling Kit Packed By: RODRIGUE_G
Preservatives Needed: NO
Date to Receive Samples: 16-JUL-2018
Received By:

Send Final Report To:

FL Dept. of Environmental Protection
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767
Attn: Mike Linger

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

Comments:

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-250ML-WI-THI   Number of Bottles: 1   Preserved With: Na thiosulfate and Ice

CD-FLR-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by Flowers Chemical Laboratory in Altamonte Springs

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: 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

FedEx®

Do Not Lift Using This Tag

ORIGIN ID:TLHA (407) 894-7555
MIKE LINGER
FL DEP CENTRAL DISTRICT
3319 MAGUIRE BLVD STE 232

ORLANDO, FL 328033767
UNITED STATES US

SHIP DATE: 05JUL18
ACTWGT: 10.00 LB MAN
CAD: 0446970/CAFE3210

TO **JOHN WATTS**
FLORIDA DEP/CHEMISTRY SECTION
2600 BLAIRSTONE RD

TALLAHASSEE FL 32399
(850) 245-8077
INV:
PO:
REF:
DEPT:

551C2/8532/104C

RMA:

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RETURNS MON-FRI
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TLH

FID 5037366 21AU

Part # 156148-434 RIT EXP 03/19

856 1 B

Cooler Packing Worksheet for Request: RQ-2018-07-16-44

Withlacoochee

Ship Cooler On: 7/6/2018

Customer/Project: CEN-DIST/SMP

Assigned To: RODRIGUE_G
Requester: Michael Linger
Priority: 3

407-897-4180
FL Dept. of Environmental Protection
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767

Attn: Mike Linger

Please return packing list with sample submittal forms.

Comments:
No preservatives needed.

Requested Analyses:

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

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** A0071233

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: P-250ML-WI-THI **Qty: 1** **Preservation: Na thiosulfate and Ice** **Lot #** L18005

Description:

Analysis	Description
CD-FLR-ECQ	Escherichia coli by Colilert 18 Quanti-Tray method by Flowers Laboratory

Container ID: BP-1L **Qty: 1** **Preservation: ICE** **Lot #** 1223623

Description: Brown Plastic Bottle 1L

Analysis	Description

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

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Container ID: P-500ML **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 00067590

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 #** 00070886

Description: Plastic Bottle 125 mL

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

Cooler Packed By: ____________ Number of Coolers: __________________ Date: ________________________

Kit must also include:
___ Field Sheets
___ Temperature Control Bottle
___ FedEx Bills, if applicable
___ Plastic Bags/Zip Ties
___ 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-2018-07-16-44