

Log-in Checklist

RQ- 2018-07-23-14

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 09/21/18 @ 9:45a

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	
2.8°C			12		X			4385 5031 3218

* 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 ✓ 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 ✓ No ****Containers intact?** Yes ✓ No

****Sufficient Sample Volume:** Yes ✓ No

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes ✓ No Init: m

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		X	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: m

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

Coolers Unpacked/Checked by: Tyler R. Date: 09/21/18 NCRs (Y/N)? N

Event ID: Gators & Ditches
SO-DIST-2018-09-21-02 (SMP) 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_05_2018
pH Paper 0.0 – 3.0 Lot #	230515EXP:10/30/2018
pH Paper 0 – 13 Lot #	222516EXP:09/15/2019
Chlorine Test Strips Lot #	091417V EXP:09/2021

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: _____

Gators & Ditches

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: SO-DIST

Requester: Nicole Reistad

Field Report Prepared By: STELL COFAE

Project ID: SMP

Collected By: GARY SNORAL

Sampling Agency: 8452 / FTM SAROL

Location	Field ID/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/20/18 Time 1600	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)	
Field ID	Location	G2SD0026	Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 5.51	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
WIN/ST			Temp (C) 28.92	pH 7.27	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 722	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.35	Comments ECOLI TO SANDERS			B
Location	Field ID/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/20/18 Time 1824	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	Location	G2SD0027	Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 4.29	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
WIN/ST			Temp (C) 26.89	pH 7.75	Sample Depth 0.2	☐ ft ☒ m	Sp. Conductance (umho/cm) 1066	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.52	Comments ENT TO SANDERS			AC
Location	Field ID/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/20/18 Time 1444	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	Location	G2SD0022	Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 3.76	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
WIN/ST			Temp (C) 26.99	pH 6.82	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 864	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.42	Comments ECOLI TO SANDERS			B
Location	Field ID/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/20/18 Time 1124	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	Location	G3SD0072	Matrix (type, e.g., Salt, Fresh, etc) SALT		Diss. Oxygen 5.25	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
WIN/ST			Temp (C) 31.24	pH 7.23	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 1135	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 6.40	Comments			A

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
8452 / FTM SAROL COFAE	9/20/18 1344	FCO ex	1	Tyler R.	09/21/18 09:45

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	ALKALINITY TURBIDITY W-F W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	CHLSUITE-W						
Group: A	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>0</u>
	SD-SND-ENT 2 ENT SENT TO SANDERT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-ICP W-ICPMS NA 8060070 EXP 3/21/19						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC SA 8085170 EXP 3/26/19						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
	W-PO4-F						
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>0</u>
	SD-SND-ECQ 2 ECQ SENT TO SANDERT						
Group: C	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	PCR-FILTER						
Group: C	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-E8321-DI W-E8321-MS						

Gators & Ditches

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: SO-DIST

Requester: Nicole Reistad

Field Report Prepared By: Steve Caffee

Project ID: SMP

Collected By: Gary Sparek

Sampling Agency: 8452 / FIM Sora

Locat Field ID/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 12/59/2018 Time 12:45	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field Location	G3SD0076	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
WIN/	Cleveland Cemetery Ditch	Temp (C) 28.45	pH 6.92	Sample Depth 0.3 m	Sp. Conductance (umho/cm) 1431	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.71	Comments ENT TO SANDERS	
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	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	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	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
8452 / FIM Sora Caffee	9/20/18 1344	Fed Ex	1	Tyler R.	09/21/18 9:45

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY TURBIDITY W-F W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: A	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	SD-SND-ENT					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab
	W-ICP W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	SD-SND-ECQ					
Group: C	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	PCR-FILTER					
Group: C	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-E8321-DI W-E8321-MS					

Cooler Packing Worksheet for Request: RQ-2018-07-23-14

Gators & Ditches

Ship Cooler On: 7/13/2018

Customer/Project: SO-DIST/SMP

Assigned To: REYNOLDS_T

Requester: Nicole Reistad

Priority: 3

239-344-5718
FLDEP South District Office
2295 Victoria Ave. Suite 364
Fort Myers, FL 33901-3381

Attn: Nicole Reistad

Please return
packing list with
sample submittal
forms.

Comments:

No preservatives needed.

Group A: Marine+Metals (D Kit); Entero x 2

Group B: E. Coli x 2

Group C: Markers, Tracers x 1

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00071233

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-F

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO₃/L

Turbidity in aqueous matrices

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1773623

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-120ML-WC-THI

Qty: 2 Preservation: ICE

Lot # 6402

Description: 120 ml Sterilized White Cap with
tablet

Analysis

SD-SND-ENT

Description

Enterococci by Enterolert Quanti-Tray method by Sanders Laboratories in Fort Myers

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 0007

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00071230

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 2 Preservation: FILTER-ICE

Lot # 00070627

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Bottle Group: B

of Sites: 2

Container ID: P-250ML-WI-THI

Qty: 2 Preservation: ICE

Lot # 018005

Description:

Analysis

SD-SND-ECQ

Description

Escherichia coli by Colilert 18 Quanti-Tray method by Sanders Laboratories in Fort Myers

Bottle Group: C

of Sites: 1

Container ID: QPCR-P-500ML

Qty: 1 Preservation: ICE

Lot # 00070587

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 00071185

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Cooler Packed By: Tyler Number of Coolers: 1 Date: 07/11/18

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-2018-07-23-14

Date of Request: 14-JUN-2018
 Created By: REISTAD_N On: 14-JUN-2018
 Modified By: SWANSON_C On: 03-JUL-2018
 Customer: SO-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: South District
 Sampling Event: Gators & Ditches

Send Coolers To:

Phone: 239-344-5718
 FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901-3381
 Attn: Nicole Reistad

Send Final Report To:

FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901-3381
 Attn: Nicole Reistad

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: 13-JUL-2018

Sampling Kit Shipped: YES On: 11-JUL-2018

Sampling Kit Packed By: REYNOLDS_T

Preservatives Needed: NO

Date to Receive Samples: 23-JUL-2018

Received By: REYNOLDS_T On: 21-SEP-2018

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments: Group A: Marine+Metals (D Kit); Entero x 2
 Group B: E. Coli x 2
 Group C: Markers, Tracers x 1

Bottle Group A (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 CaCO ₃ /L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
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: P-120ML-WC-THI	Number of Bottles: 2	Preserved With: ICE
SD-SND-ENT	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert Quanti-Tray method by Sanders Laboratories in Fort Myers
Bottle Type: P-500ML	Number of Bottles: 2	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
Chromium		
Iron		
Zinc		
W-ICPMS	Template: PRTY	(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		
Nickel		
Silver		
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H ₂ SO ₄

Bottle Group A (Water) With 2 Samples:

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 B (Water) With 2 Samples:

Bottle Type: P-250ML-WI-THI	Number of Bottles: 2	Preserved With: ICE
SD-SND-ECQ	Template: DEFAULT	(Colilert-18) Escherichia coli by Colilert 18 Quanti-Tray method by Sanders Laboratories in Fort Myers

Bottle Group C (Water) With 1 Samples:

Bottle Type: QPCR-P-500ML	Number of Bottles: 1	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template:	(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.