

Login Checklist

RQ-2021-03-01-57

Login Station ID: #4

Shipping Method: FedEx UPS | HD | Greyhound

Date/Time of Receipt: 03/05/2021 @ 9:40

*Cooler Temperature	Samples Frozen?	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
1.2°C				8		X			9293 8010 5606

COOLER CHECK

*All samples received on ice unless otherwise noted. HNO3 and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# _____
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# _____
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# _____
- If coolers or samples are received late; identify the affected samples in an NCR. 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 ☐ NA ☒

Evidence Tape intact? Yes ☐ No ☐

If Criminal, photographs taken?

Yes ☐ No ☐

Containers intact? Yes ☒ No ☐

Caps on tight?

Yes ☒ No ☐

Sufficient Sample Volume:

Yes ☒ No ☐

If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# _____

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes ☒ No ☐ Init: TULSR

Chlorine detected? (One container checked per Field ID)

Yes ☐ No ☒ Init: TULSR

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# _____

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

**Acid Preserved Samples: pH< 2.0?

Yes ☒ No ☐ NA ☐ Init: TULSR

**W-1-4-DIOX (Green dot on container) preserved to pH<4.0?

Yes ☐ No ☐ NA ☒ Init: TULSR

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

Coolers Unpacked/Checked by: TULSR

Date: 03/05/2021

Event contains NCRs (Y/N)? NONE

Event ID: 2021 SMP: Lee Coastal
—SO-DIST-2021-03-05-01 (SMP)

Page 1 of 2, 0 Date Received: 05-MAR-2021 09:50

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	#4 Temp Gun EXP:10/28/2021
pH Test Strips 0 – 6	N/A
pH Paper 0 – 3	N/A
pH Paper 0 – 13	231019 EXP:11/01/2022
Chlorine Test Strips	8261 EXP:07/2021

ENCORE SAMPLES

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

Were Encore samples received? Yes _____ Init: _____

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 _____

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

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: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 3/4/2021
Customer: SO-DIST
RQ: RQ-2021-03-01-57
Collected By: Nicole Reistad, Chris Hormuth
Sampling Agency: FDEP
Project ID: SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

Number of Coolers Shipped: 1

FIELD ID (Labels) submitted under this RQ for this collection date.

Site Location	Field ID/WIN ID
Punta Rassa Cove	 G2SD0047
Punta Rassa Cove	 G2SD0047
Imperial River near US 41	 G1SD0057
Estero River @ Preserve	 G1SD0104

RELINQUISHED BY(SIGNATURE):

DATE/TIME:

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: Tyler Reynolds

Rec'd/Inspected Date: 03/05/2021



RQ-2021-03-01-57	Collected By: Nicole Reistad, Chris Hormuth
Customer: FDEP	Field Report Prepared by: Nicole Reistad, Chris Hormuth
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G2SD0047	Comments: Microbiology sample(s) submitted to contract laboratory

Location: Punta Rassa Cove

Matrix: Marine

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
3/4/2021 930	6.78	90.4	22	7.72	0.3	0.7	0.7	41188	26.42

Central Lab please use top row for login purposes

Parameter Suite	Parameter Methods					Preservation			pH Check		# Bottles sent to Lab	Bottle Group		
Preserved Nutrients (P-500ML)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					X	Ice	X	H2SO4*	<2	1	A	
	Lot #		SA0293040		Exp:									
Metals (P-500ML)		W-ICPMS		W-ICP		W-HARD		Ice		HNO3*	<2			
	Lot #				Exp:									
Filtered Nutrients (P125ML)	X	W-PO4-F	X	Field Filtered 0.45 um Filter		X	Ice					1	A	
	Filter Lot #		17101170											
	Syringe Lot #													
Chlorophyll (BP-1L)	X	CHLSUITE-W					X	Ice				1	A	
Physical/Aggregate (Fresh) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS						Ice						
Physical/Aggregate (Marine) (P-1L)	X	Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY					X	Ice				1	A	
Macroinvertebrates (PJ-2L)		MI-FW-QLDC						Ice						
Periphyton (PT-50ML)		ALGAE-ID						Ice						
Microbiology (Contract Lab Bottle)		E Coli	X	F Coli	X	Enterococci	X	Ice				1	A	
	X	Contract Lab												
Molecular (QPCR-P-500ML)		PCR-HF183		PCR-BacR		PCR-DG3		Ice						
		PCR-GULL2		PCR-GFD										
Tracers (BG-500ML)		W-E8321-DI		W-E8321-MS			Ice							
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		W-E8321-MS		W-PSNP-TQ		Ice						
					W-DIELDRIN									
	W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R									
Phytoplankton		DTY-QN-C		PKD-QN-BV				Ice						



RQ-2021-03-01-57	Collected By: Nicole Reistad, Chris Hormuth
Customer: FDEP	Field Report Prepared by: Nicole Reistad, Chris Hormuth
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G2SD0047	Comments: Microbiology sample(s) submitted to contract laboratory
Location: Punta Rassa Cove	

Matrix: Marine

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)	
3/4/2021 930	6.78	90.4	22	7.72	0.3	1.1	1.1	41188	26.42	
Central Lab please use top row for login purposes										
Parameter Suite	Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group	
Preserved Nutrients (P-500ML)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP			X	Ice	X	H2SO4*		
	Lot #		SA0293040		Exp:			<2	1	A
Metals (P-500ML)		W-ICPMS		W-ICP	W-HARD	Ice	HNO3*		<2	
	Lot #		Exp:							
Filtered Nutrients (P125ML)	X	W-PO4-F		X	Field Filtered 0.45 µm Filter		X	Ice		
	Filter Lot #		17101170						1	A
	Syringe Lot #									
Chlorophyll (BP-1L)	X	CHLSUITE-W			X	Ice			1	A
Physical/Aggregate (Fresh) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS				Ice				
Physical/Aggregate (Marine) (P-1L)	X	Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY			X	Ice			1	A
Macroinvertebrates (PJ-2L)		MI-FW-QLDC				Ice				
Periphyton (PT-50ML)		ALGAE-ID				Ice				
Microbiology (Contract Lab Bottle)		E Coli	X	F Coli	X	Enterococci				
	X	Contract Lab			X	Ice			1	A
Molecular (QPCR-P-500ML)		PCR-HF183		PCR-BacR	PCR-DG3					
		PCR-GULL2		PCR-GFD						
Tracers (BG-500ML)		W-E8321-DI		W-E8321-MS						
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI	W-E8321-MS		W-PSNP-TQ					
		W-PCL-SQ-R	W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-DIELDRIN					
					W-CT-CL-R					
Phytoplankton		DTY-QN-C		PKD-QN-BV						



RQ-2021-03-01-57

Customer: FDEP

Project ID: SMP

Collected By: Nicole Reistad, Chris Hormuth

Field Report Prepared by: Nicole Reistad, Chris Hormuth

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G1SD0057

Comments: Microbiology sample(s) submitted to contract laboratory

Location: Imperial River near US 41

Matrix: Marine

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)		
3/4/2021 1110	3.8	49.1	25.1	7.44	0.3	1.1	1.4	18908	11.21		
Central Lab please use top row for login purposes											
Parameter Suite	Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group		
Preserved Nutrients (P-500ML)	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				Ice	H2SO4*	<2				
	Lot #		Exp:								
Metals (P-500ML)	W-ICPMS		W-ICP	W-HARD	Ice	HNO3*	<2				
	Lot #		Exp:								
Filtered Nutrients (P125ML)	W-PO4-F		Field Filtered 0.45 µm Filter		Ice						
	Filter Lot #										
	Syringe Lot #										
Chlorophyll (BP-1L)	CHLSUITE-W				Ice						
Physical/Aggregate (Fresh) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS				Ice						
Physical/Aggregate (Marine) (P-1L)	Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				Ice						
Macroinvertebrates (PJ-2L)	MI-FW-QLDC				Ice						
Periphyton (PT-50ML)	ALGAE-ID				Ice						
Microbiology (Contract Lab Bottle)	E Coli		F Coli	X Enterococci	X Ice					1	B
	X Contract Lab										
Molecular (QPCR-P-500ML)	X PCR-HF183	X PCR-BacR	X PCR-DG3	X Ice			1	B			
	PCR-GULL2		PCR-GFD								
Tracers (BG-500ML)	X W-E8321-DI	X W-E8321-MS		X Ice			1	B			
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI	W-E8321-MS	W-PSNP-TQ	Ice							
			W-DIELDRIN								
	W-PCL-SQ-R	W-CARB-AA (5 ml of MCAA** Buffer Solution)	W-CT-CL-R								
Phytoplankton	DTY-QN-C		PKD-QN-BV		Ice						



RQ-2021-03-01-57

Customer: FDEP

Project ID: SMP

Collected By: Nicole Reistad, Chris Hormuth

Field Report Prepared by: Nicole Reistad, Chris Hormuth

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G1SD0104

Comments: Microbiology sample(s) submitted to contract laboratory

Location: Estero River @ Preserve

Matrix: Marine

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
3/4/2021 1225	4.72	63.5	23.9	7.44	0.3	0.8	1.5	34833	21.92

Central Lab please use top row for login purposes

Parameter Suite	Parameter Methods					Preservation			pH Check	# Bottles sent to Lab	Bottle Group			
Preserved Nutrients (P-500ML)	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					Ice	H2SO4*		<2					
	Lot #				Exp:									
Metals (P-500ML)	W-ICPMS		W-ICP		W-HARD	Ice	HNO3*		<2					
	Lot #				Exp:									
Filtered Nutrients (P125ML)	W-PO4-F		Field Filtered 0.45 um Filter			Ice								
	Filter Lot #													
	Syringe Lot #													
Chlorophyll (BP-1L)	CHLSUITE-W					Ice								
Physical/Aggregate (Fresh) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W- TDS					Ice								
Physical/Aggregate (Marine) (P-1L)	Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY					Ice								
Macroinvertebrates (PJ-2L)	MI-FW-QLDC					Ice								
Periphyton (PT-50ML)	ALGAE-ID					Ice								
Microbiology (Contract Lab Bottle)	E Coli		F Coli		X	Enterococci	x				Ice	1	B	
	X	Contract Lab												
Molecular (QPCR-P-500ML)	X	PCR-HF183		X	PCR-BacR	X	PCR-DG3				x	Ice	1	B
		PCR-GULL2		PCR-GFD										
Tracers (BG-500ML)	X	W-E8321-DI		X	W-E8321-MS						x	Ice	1	B
Pesticides (BG-500ML) (BG-1L)	W-E8321-DI		W-E8321-MS		W-PSNP-TQ		Ice							
					W-DIELDRIN									
	W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R									
Phytoplankton	DTY-QN-C		PKD-QN-BV				Ice							

Date of Request: 15-FEB-2021
 Created By: HORMUTH_C On: 15-FEB-2021
 Modified By: JASROTIA_P On: 16-FEB-2021
 Customer: SO-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: South District
 Event Description: 2021 SMP: Lee Coastal

Send Coolers To:

Phone: 239-344-5718
 FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901-3381
 Attn: Chris Hormuth
 Cooler Ship Email: Chris.Hormuth@FloridaDEP.gov

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 16-FEB-2021
 Biology Request Reviewed By: JASROTIA_P On: 16-FEB-2021
 Sampling Kit Required: YES Ship on: 19-FEB-2021
 Sampling Kit Shipped: YES On: 17-FEB-2021
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 01-MAR-2021
 Logged In By:

Send Final Report To:

FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901-3381
 Attn: Chris Hormuth
 Report Notification Email:
 Nicole.Reistad@FloridaDEP.gov; Kirby.Wolfe@dep.state.fl.us; Gary.Snorek@dep.state.fl.us; Miranda.Carroll@FloridaDEP.gov; Chris.Hormuth@FloridaDEP.gov

Comments: Group A: Entero, Markers, Tracers
 Group B: (Mullock Fresh) E.coli, Markers, Tracers

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO ₃ /L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-BR-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Bromide in aqueous matrices
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TSS	Template: DEFAULT	(SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

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-250ML-WI-THI	Number of Bottles: 2	Preserved With: ICE
SD-SND-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by Sanders in Fort Myers
SD-SND-FC	Template: DEFAULT	(SM 9222 D) Fecal coliforms by MF by Sanders in Fort Myers

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H ₂ SO ₄
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-2011) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Type: P-125ML	Number of Bottles: 1	Preserved With: FILTER-ICE
W-PO ₄ -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: QPCR-P-500ML	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-DG3	Template: DEFAULT	(SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction

Bottle Group B (Water) With 2 Samples:

Bottle Type: QPCR-P-500ML	Number of Bottles: 2	Preserved With: ICE
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction
Bottle Type: P-250ML-WI-THI	Number of Bottles: 2	Preserved With: ICE
SD-SND-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by Sanders in Fort Myers
Bottle Type: BG-500ML	Number of Bottles: 2	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(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.