

Login Checklist

RQ- 2022-10-17-77

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 10/20/2022 9:20

*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	
1.8				5		X			5859 4729 8732
4.0				4		λ			5225 5548 7104

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 X 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: re

Chlorine detected? (One container checked per Field ID)

Yes _____ No X Init: re

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: re

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

Yes _____ No _____ NA X Init: re

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

Coolers Unpacked/Checked by: re

Date: 10/20/2022

Event contains NCRs (Y/N)? N

EventID: 2022 SMP: Hatchett Creek
SO-DIST-2022-10-20-01 (SMP)

Date Received: 20-OCT-2022 09:20

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #4 Exp:10/17/2023
pH Test Strips 0 – 6	LOT# 223819AV Exp: AUG 30, 2023
pH Paper 0 – 3	N/A
pH Paper 0 – 13	LOT# 207621 Exp: March 15, 2024
Chlorine Test Strips	LOT# 0070 Exp: Feb. 2023

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# _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 10/19/2022 **Collected By:** Monica Jaeger, William Mullen
Customer: SO-DIST **Sampling Agency:** FDEP
RQ: RQ-2022-10-17-77 **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: 2

Delivery Method: FedEx

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

Site Location	Field ID/WIN ID
Hatchett Creek Tidal 1	 G3SD0191
Hatchett Creek Tidal 2	 G3SD0192
HatchettCreek@GroveStN	 G3SD0194

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 10/19/2022
1500 EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:



Rec'd/Inspected

Date:

10-20-2022



RQ-2022-10-17-77

Customer: FDEP

Project ID: SMP

Collected By: Monica Jaeger, William Mullen

Field Report Prepared by: Monica Jaeger, William Mullen

Sampling Agency: FDEP

Comments: Microbiology sample(s) submitted to contract laboratory.

WIN ID/Field ID:



WIN ID/Field ID: G3SD0191

Location: Hatchett Creek Tidal 1

Matrix: Marine

(Check One)

☒ Grab☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT)
10/19/2022 925	3.65	54.2	26.6	7.62	0.3	1.1	1.9	38160	24.36
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 #							
BOD (BP-1L)	OV-BODUNIN				Ice				
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-F / W-TSS / TURBIDITY				Ice				
Macroinvertebrates (PJ-2L)	MI-FW-QLDC	Formalin Lot #			Formalin				
Periphyton (PT-50ML)	ALGAE-ID				Ice				
Microbiology (Contract Lab Bottle)	E Coli	F Coli	Enterococci		Ice				
	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	X	W-PSNP-TQ	Ice	MCAA Exp.	MCAA Lot#	4	A
	W-PCL-TQ-R	W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R	X				
	X W-TR-SQ-R	W-PCB-TQ-R							
Phytoplankton	DTY-QN-C		PKD-QN-BV		Ice				
DOC	W-DOC		Field Filtered 0.45 µm Filter		Ice	H2SO4*	<2		
			Acid Preservative Expiration Date						
			Acid Preservative Lot Number						

					RQ-2022-10-17-77					Collected By: Monica Jaeger, William Mullen				
					Customer: FDEP					Field Report Prepared by: Monica Jaeger, William Mullen				
					Project ID: SMP					Sampling Agency: FDEP				
WIN ID/Field ID: 										Comments: Microbiology sample(s) submitted to contract laboratory.				
WIN ID/Field ID: G3SD0192														
Location: Hatchett Creek Tidal 2														
Matrix: Marine										(Check One) ☒ Grab ☐ Composite				

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT _h)
10/19/2022 935	3.26	46.8	27.5	7.51	0.3	0.8	0.8	36147	22.64

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*	X	<2	1	B
		Lot #		SA2145160	Exp:		6/2/23					
Metals (P-500ML)		W-ICPMS		W-ICP		Ice	HNO3*			<2		
		Lot #			Exp:							
Filtered Nutrients (P125ML)		W-PO4-F		Field Filtered 0.45 um Filter			Ice					
		Filter Lot #		Syringe Lot #								
BOD (BP-1L)		OV-BODUNIN				Ice						
Chlorophyll (BP-1L)	X	CHLSUITE-W			X	Ice				1	B	
Physical/Aggregate (Fresh) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS				Ice						
Physical/Aggregate (Marine) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY			X	Ice				1	B	
Macroinvertebrates (PJ-2L)		MI-FW-QLDC	Formalin Lot #			Formalin						
Periphyton (PT-50ML)		ALGAE-ID				Ice						
Microbiology (Contract Lab Bottle)	X	Contract Lab			X	Ice				1	B	
		PCR-HF183		PCR-BacR		PCR-DG3						
Molecular (QPCR-P-500ML)		PCR-GULL2		PCR-GFD			Ice					
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	MCAA Exp.	MCAA Lot#				
		W-PCL-TQ-R	W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R							
		W-TR-SQ-R		W-PCB-TQ-R								
Phytoplankton		DTY-QN-C		PKD-QN-BV			Ice					
DOC		W-DOC	Field Filtered 0.45 um Filter			Ice		H2SO4*	<2			
	Acid Preservative Expiration Date											
	Acid Preservative Lot Number											



RQ-2022-10-17-77	Collected By: Monica Jaeger, William Mullen
Customer: FDEP	Field Report Prepared by: Monica Jaeger, William Mullen
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G3SD0194	Comments: Microbiology sample(s) submitted to contract laboratory.

Location: HatchettCreek@GroveStN

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT)		
10/19/2022 955	2.7	32.4	21.9	7.63	0.3	0.4	0.4	1002	0.5		
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		Ice	HNO3*	<2		
		Lot #	Exp:								
Filtered Nutrients (P125ML)		W-PO4-F			Field Filtered 0.45 µm Filter						
		Filter Lot #	Syringe Lot #		Ice						
BOD (BP-1L)		OV-BODUNIN			Ice						
Chlorophyll (BP-1L)		CHLSUITE-W			Ice						
Physical/Aggregate (Fresh) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS			Ice						
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY			Ice						
Macroinvertebrates (PJ-2L)		MI-FW-QLDC	Formalin Lot #		Formalin						
Periphyton (PT-50ML)		ALGAE-ID			Ice						
Microbiology (Contract Lab Bottle)		E Coli	F Coli	X	Enterococci	x	Ice		1		
		Contract Lab									
Molecular (QPCR-P-500ML)		PCR-HF183			PCR-BacR		PCR-DG3				
		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		X	W-PSNP-TQ	MCAA Exp.		MCAA Lot#		
		W-PCL-TQ-R	W-CARB-AA (5 ml of MCAA Buffer Solution)			W-CT-CL-R	Ice		2		
		X	W-TR-SQ-R	W-PCB-TQ-R					A		
Phytoplankton		DTY-QN-C			PKD-QN-BV		Ice				
DOC		W-DOC			Field Filtered 0.45 µm Filter		Ice	H2SO4*	<2		
					Acid Preservative Expiration Date						
					Acid Preservative Lot Number						

Benchmark EnviroAnalytical, Inc.
 Corporate Ave. Suite 102
 Fort, FL 34289
 (941) 625-3137 / (941) 240-3071 fax

BEAS Sample Receipt Temp. 4.7 °C
 Checked at Benchmark EA South E85086
 With Temperature Gun ID #7

Client Name: FDEP
 Address: 2600 Blair Stone Rd.
 Tallahassee, FL, 32399
 Phone: (239) 344-5719
 Email: dep-overflowmicro@dep.state.fl.us

Bill to: Frances Moore
 P.O. #: Lab B95341

2022-10-17-77
 Project Name: RQ-2021-
 Project Run/Location: ~~EA~~ SMP: Hatchett Creek

Laboratory Submission #:

522100358

Station ID	Surface Water Sample Matrix ² (Fresh / Marine) Sample Type	Enterococci E.coli (SM9223B Quantitray)				Laboratory Sample #
		E.Coli = 250 mL ; Entero = 120 mL ; Fecal Coliform = 120 mL				
G3SD0191	F / M / Grab	E. coli	Enterococci	Fecal coliform	Date & Time: 925 10/19/22	1
G3SD0192	F / M / Grab	E. coli	Enterococci	Fecal coliform	Date & Time: 935 10/19/22	2
G3SD0194	F / M / Grab	E. coli	Enterococci	Fecal coliform	Date & Time: 955 10/19/22	3
	F / M / Grab	E. coli /	Enterococci /	Fecal coliform	Date & Time:	
	F / M / Grab	E. coli /	Enterococci /	Fecal coliform	Date & Time:	
	F / M / Grab	E. coli /	Enterococci /	Fecal coliform	Date & Time:	
	F / M / Grab	E. coli /	Enterococci /	Fecal coliform	Date & Time:	
	F / M / Grab	E. coli /	Enterococci /	Fecal coliform	Date & Time:	
	F / M / Grab	E. coli /	Enterococci /	Fecal coliform	Date & Time:	
	F / M / Grab	E. coli /	Enterococci /	Fecal coliform	Date & Time:	
	F / M / Grab	E. coli /	Enterococci /	Fecal coliform	Date & Time:	
	F / M / Grab	E. coli /	Enterococci /	Fecal coliform	Date & Time:	

¹ "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).

² "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDANT), or sludge (SLDG).

³ "Container Type" is used to indicate whether the container is plastic (P) or glass (G).

Sample must be refrigerated or stored in wet ice after collection. The maximum temperature during storage should be 6°C (42.8°F). Under "Preservative," list any preservatives that were added to the sample container.

Instructions:

- Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
- The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
- All bottles not containing preservative may be rinsed with appropriate sample prior to collection.

4. The client is responsible for documentation of the sampling event. Please note special sampling events on this sample custody form.

1	Collector: <u>Monica Jaeger</u>	Date: <u>10/19/22</u>	Time: <u>1044</u>	Received By: <u>Melinda Merchant</u>	Date: <u>10/19/22</u>	Time: <u>1044</u>
2	Relinquished by:	Date:	Time:	Received By:	Date:	Time:
3	Relinquished by:	Date:	Time:	Received By:	Date:	Time:
4	Relinquished by:	Date:	Time:	Received By:	Date:	Time:
5	Relinquished by:	Date:	Time:	Received By:	Date:	Time:

Laboratory Sample Acceptability:

pH < 2 : 0 BEAS Temperature: 4.7°C

Date of Request: 19-OCT-2022
 Created By: MULLEN_W On: 19-OCT-2022
 Modified By: AYRES_J On: 20-OCT-2022
 Customer: SO-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: South District
 Event Description: 2022 SMP: Hatchett Creek

Send Coolers To:

Phone: 239-344-5716
 FLDEP South District Office
 2295 Victoria Ave. Suite 314
 Fort Myers, FL 33901-3381
 Attn: William Mullen
 Cooler Ship EMail: William.Mullen@FloridaDEP.gov

Priority: 3
 Event Status: A
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 20-OCT-2022
 Biology Request Reviewed By: AYRES_J On: 20-OCT-2022
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped:
 Sampling Kit Packed By:
 Preservatives Needed: NO
 Date to Receive Samples: 19-OCT-2022
 Logged In By:

Send Final Report To:

FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901-3381
 Attn: William Mullen
 Report Notification EMail:
 Nicole.Reistad@FloridaDEP.gov; John.Barrington@FloridaDEP.gov;
 William.Mullen@FloridaDEP.gov; Monica.Jaeger@FloridaDEP.gov;
 Thomas.J.Baker@FloridaDEP.gov

Comments: Group A: (G3SD0191,G3SD0194) Enterococci, W-TR-SQ-R/W-PSNP-TQ
 Group B: (G3SD0192) Marine Nutrients, Enterococci

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-250ML-WI-THI	Number of Bottles: 2	Preserved With: ICE
SD-BES-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by BEA South in North Port
Bottle Type: BG-1L	Number of Bottles: 6	Preserved With: ICE
W-PSNP-TQ	Template: DEFAULT	(EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS
W-TR-SQ-R	Template: DEFAULT	(EPA 8270E) Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM

Bottle Group B (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 CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity 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-2015) 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: 1	Preserved With: ICE
SD-BES-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by BEA South in North Port
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-2011) Nonpurgeable Organic Carbon in aqueous matrices

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