

Login Checklist

RQ- 2023 - 03 - 13 - 21

Login Station ID: # 2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 03/23/2023 / 09:29

*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	
1.8C				6		X			5859 4733 9519

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 X No _____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes ✓ No X AB

CONTAINER CHECK

Evidence Tape on Bottles? Yes _____ No _____ NA X Evidence Tape intact? Yes _____ No _____

If Criminal, photographs taken? Yes _____ No _____ Containers intact? Yes X No _____

Caps on tight? Yes X No _____

Sufficient Sample Volume: Yes X 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 X Init: ABS /

Chlorine detected? (One container checked per Field ID)

Yes _____ No _____ Init: ABS /

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: ABS /

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

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

Coolers Unpacked/Checked by: ABS /

Date: 03/23/2023

Event contains NCRs (Y/N)? N

EventID: SO - DIST - 2023 - 03 - 23 - 0

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IRTG # 2 EXP:10/17/2023
pH Test Strips 0 – 6	LOT#223819AV EXP:8/30/23
pH Paper 0 – 3	N/A
pH Paper 0 – 13	LOT#207621 EXP:3/15/2024
Chlorine Test Strips	0129 03 / abs/03/01/2023 0070 / 2023 / 01/

ENCORE SAMPLES

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

Were Encore samples received? Yes _____ Init: ABS

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: 3/22/2023
Customer: SO-DIST
RQ: RQ-2023-03-13-21
Collected By: Monica Jaeger, William Mullen
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

Delivery Method: FedEx

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

Site Location	Field ID/WIN ID
Tippecanoe Bay North	 G3SD0218
Myakka River West	 G3SD0219

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 3/22/2023
1500 EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: A.SHAIK

Rec'd/Inspected Date: 03/23/2023



RQ-2023-03-13-21

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: G3SD0218

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

Location: Tippecanoe Bay North

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 (PPTH)
3/22/2023 1110	7.47	95.4	20.4	7.73	0.3	0.8	1	37544	23.85

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	A
		Lot #	SA2299040		Exp:	11/04/23						
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)	X	CHLSUITE-W				x			Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS				x			Ice		1	A
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	X	F Coli	X	Enterococci			x	Ice	2	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	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 µm Filter			Ice	H2SO4*	<2				
			Add Preservative Expiration Date									
			Add Preservative Lot Number									



RQ-2023-03-13-21	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: G3SD0219	Comments: Microbiology sample(s) submitted to contract laboratory.

Location: Myakka River West

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)				
3/22/2023 1040	7.86	96.8	20.7	7.19	0.3	0.7	0.7	27384	16.85				
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 #	SA2299040		Exp:	11/04/23		X	<2	1	A		
Metals (P-500ML)		W-ICPMS		W-ICP	W-HARD		Ice		HNO3*				
		Lot #			Exp:				<2				
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)	X	CHLSUITE-W				X	Ice			1	A		
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-C / W-COLOR / W-SO4-IC / W-TDS				X	Ice			1	A		
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	X	F Coli	X	Enterococci							
	X	Contract Lab				X	Ice			2	A		
Molecular (QPCR-P-500ML)		PCR-HF183		PCR-BacR	PCR-DG3		Ice						
		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 µm Filter			Ice		H2SO4*					
			Acid Preservative Expiration Date						<2				
			Acid Preservative Lot Number										

S23030619

Enterococci

Enterococci
E.coli (SM9223B Quantitray)

$E. Coli = 250 \text{ mL} \cdot \text{Entero} = 120 \text{ mL} \cdot \text{Fecal Coliform} = 120 \text{ mL}$

1040

0110

Table 1. *Summary of the Survey Data*

1

1

10

— *Continued*

Fig. 10. *Staphylococcus aureus* and *Escherichia coli*.

1

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130

 $0:Z>H^d$

1000

21

100

3

1

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Figure 1

*Sample Matrix: It is used to indicate whether the sample is being discharged to drinking water (DW), ground-water (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDRM), or sewage (SLDG).

*Container Type: It is used to indicate whether the container is plastic (P) or glass (G).

*Comments: Samples that are refrigerated or stored in cool ice after collection. The maximum temperature during storage should be 0°C (32°F). Under "Preservative," list any preservatives that were added to the sample container.

labeled identifying sample ID, premeasured waterline contained in the bottle, sample type, client ID, and parameters for analysis. Information should be added to each bottle label after collection with permanent black ink due and line of collection, sampler's name or initials, and any field notes or ID.

[illegible]

DATE	TIME	RECEIVED BY
03/12/23	1207	B. M. R. R. R. R. R.

Country	Year	Population (millions)	Population (thousands)	Population (millions)	Population (thousands)
Algeria	1990	10.0	10,000	10.0	10,000
Algeria	1991	10.0	10,000	10.0	10,000
Algeria	1992	10.0	10,000	10.0	10,000
Algeria	1993	10.0	10,000	10.0	10,000
Algeria	1994	10.0	10,000	10.0	10,000
Algeria	1995	10.0	10,000	10.0	10,000
Algeria	1996	10.0	10,000	10.0	10,000
Algeria	1997	10.0	10,000	10.0	10,000
Algeria	1998	10.0	10,000	10.0	10,000
Algeria	1999	10.0	10,000	10.0	10,000
Algeria	2000	10.0	10,000	10.0	10,000
Algeria	2001	10.0	10,000	10.0	10,000
Algeria	2002	10.0	10,000	10.0	10,000
Algeria	2003	10.0	10,000	10.0	10,000
Algeria	2004	10.0	10,000	10.0	10,000
Algeria	2005	10.0	10,000	10.0	10,000
Algeria	2006	10.0	10,000	10.0	10,000
Algeria	2007	10.0	10,000	10.0	10,000
Algeria	2008	10.0	10,000	10.0	10,000
Algeria	2009	10.0	10,000	10.0	10,000
Algeria	2010	10.0	10,000	10.0	10,000
Algeria	2011	10.0	10,000	10.0	10,000
Algeria	2012	10.0	10,000	10.0	10,000
Algeria	2013	10.0	10,000	10.0	10,000
Algeria	2014	10.0	10,000	10.0	10,000
Algeria	2015	10.0	10,000	10.0	10,000
Algeria	2016	10.0	10,000	10.0	10,000
Algeria	2017	10.0	10,000	10.0	10,000
Algeria	2018	10.0	10,000	10.0	10,000
Algeria	2019	10.0	10,000	10.0	10,000
Algeria	2020	10.0	10,000	10.0	10,000
Algeria	2021	10.0	10,000	10.0	10,000
Algeria	2022	10.0	10,000	10.0	10,000
Algeria	2023	10.0	10,000	10.0	10,000
Algeria	2024	10.0	10,000	10.0	10,000
Algeria	2025	10.0	10,000	10.0	10,000
Algeria	2026	10.0	10,000	10.0	10,000
Algeria	2027	10.0	10,000	10.0	10,000
Algeria	2028	10.0	10,000	10.0	10,000
Algeria	2029	10.0	10,000	10.0	10,000
Algeria	2030	10.0	10,000	10.0	10,000
Algeria	2031	10.0	10,000	10.0	10,000
Algeria	2032	10.0	10,000	10.0	10,000
Algeria	2033	10.0	10,000	10.0	10,000
Algeria	2034	10.0	10,000	10.0	10,000
Algeria	2035	10.0	10,000	10.0	10,000
Algeria	2036	10.0	10,000	10.0	10,000
Algeria	2037	10.0	10,000	10.0	10,000
Algeria	2038	10.0	10,000	10.0	10,000
Algeria	2039	10.0	10,000	10.0	10,000
Algeria	2040	10.0	10,000	10.0	10,000
Algeria	2041	10.0	10,000	10.0	10,000
Algeria	2042	10.0	10,000	10.0	10,000
Algeria	2043	10.0	10,000	10.0	10,000
Algeria	2044	10.0	10,000	10.0	10,000
Algeria	2045	10.0	10,000	10.0	10,000
Algeria	2046	10.0	10,000	10.0	10,000
Algeria	2047	10.0</			

Initiated by:	Date:	Time:	Received by:

[illegible][illegible]

Laboratory Sample Acceptability:
pH < 2 : 0 BEAS Temperature: 51°C

Time: 1207

Time:

Time: _____

Time:

Time:

Date of Request: 14-FEB-2023
 Created By: MULLEN_W On: 14-FEB-2023
 Modified By: JASROTIA_P On: 22-FEB-2023
 Customer: SO-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: South District
 Event Description: 2022 SMP : Charlotte Harbor

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: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 22-FEB-2023
 Biology Request Reviewed By: JASROTIA_P On: 22-FEB-2023
 Sampling Kit Required: YES Ship on: 03-MAR-2023
 Sampling Kit Shipped: YES On: 27-FEB-2023
 Sampling Kit Packed By: KREUCH_B
 Preservatives Needed: NO
 Date to Receive Samples: 22-MAR-2023
 Logged In By: SHAIK_A On: 23-MAR-2023

Send Final Report To:

FLDEP South District Office
 2295 Victoria Ave. Suite 314
 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

Comments: Group A: Marine Nutrients, Entero, Fecal

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	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-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: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
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: P-250ML-WI-THI	Number of Bottles: 2	Preserved With: ICE
SD-BES-FC	Template: DEFAULT	(SM 9222 D) Fecal coliforms by MF by BEA South in North Port
Bottle Type: P-500ML	Number of Bottles: 2	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

