

Login Checklist

RQ- **2022 - 12 - 26 - 05**

Login Station ID: **# 2**

Shipping Method: **FedEx | UPS | HD | Greyhound**

Date/Time of Receipt: **12/16/2022 / 09:17**

*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	
2.9C				10		X			5859 4730 4547

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/ FieldSheet(s) Included?

Yes **X** No **/// ABS**

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 **X** No _____ Init: **ABS /**

Chlorine detected? (One container checked per Field ID)

Yes _____ No **x** 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 **x** No _____ NA _____ Init: **ABS /**

****W-1-4-DIOX** (Green dot on container) preserved to pH< 4.0? Yes _____ 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: **12/16/2022**

Event contains NCRs (Y/N)? **N**

Event ID: **SW - DIST - 2022 - 12 - 16 - 02**

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	0070 / 2023 / 02

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: 12/15/2022	Collected By: Sarah Meyer, Kevin Grace
Customer: SW-DIST	Sampling Agency: FDEP
RQ: RQ-2022-12-26-05	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
Cross Canal (North)	 G5SW0187
Salt Creek @ Bartlett Park Dock	 G5SW0188
Clam Bayou (East Drainage-North) @ 26th Ave S	 G5SW0190

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 12/15/2022
1700 EST

THIS SECTION TO BE COMPLETED BY LABORATORY

A.SHAIK

Rec'd/Inspected By:

Rec'd/Inspected 12/16/2022

Date:



RQ-2022-12-26-05

Customer: FDEP

Project ID: SMP

Collected By: Sarah Meyer, Kevin Grace

Field Report Prepared by: Sarah Meyer, Kevin Grace

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G5SW0187

Location: Cross Canal (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 (PPT)
12/15/2022 920	5.67	72.9	21.9	7.67	0.3	0.3	1	33054	20.71

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 #		SA2229040		Exp:		11/8/23							
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 #	17232873		Syringe Lot #	1145497									
BOD (BP-1L)		OV-BODUNIN					Ice							
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-F / W-TSS / TURBIDITY				X	Ice					1	A	
Macroinvertebrates (PJ-2L)		MI-FW-QLDC	Formalin Lot #					Formalin						
Periphyton (PT-50ML)		ALGAE-ID					Ice							
Microbiology (Contract Lab Bottle)	X	E Coli		F Coli		Enterococci	X	Ice					1	A
	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 um Filter					Ice		H2SO4*	<2				
		Acid Preservative Expiration Date												
		Acid Preservative Lot Number												



RQ-2022-12-26-05	Collected By: Sarah Meyer, Kevin Grace
Customer: FDEP	Field Report Prepared by: Sarah Meyer, Kevin Grace
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G5SW0188	Comments: Microbiology sample(s) submitted to contract laboratory.

Location: Salt Creek @ Bartlett Park Dock

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)	
12/15/2022 1025	1.6	21.3	23.2	7.18	0.3	0.4	0.4	34497	21.68	
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 #		SA2229040		Exp:		11/08/23		
Metals (P-500ML)			W-ICPMS		W-ICP	W-HARD	Ice		HNO3*	
		Lot #		Exp:				<2		
Filtered Nutrients (P125ML)		X	W-PO4-F		X	Field Filtered 0.45 um Filter		X	Ice	
		Filter Lot #	17232873		Syringe Lot #	1145497				1
BOD (BP-1L)			OV-BODUNIN				Ice			A
Chlorophyll (BP-1L)		X	CHLSUITE-W			X	Ice			1
Physical/Aggregate (Fresh) (P-1L)			Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS				Ice			A
Physical/Aggregate (Marine) (P-1L)		X	Alkalinity / W-F / W-TSS / TURBIDITY			X	Ice			1
Macroinvertebrates (PJ-2L)			MI-FW-QLDC		Formalin Lot #		Formalin			A
Periphyton (PT-50ML)			ALGAE-ID				Ice			
Microbiology (Contract Lab Bottle)			E Coli		F Coli	X	Enterococci	X	Ice	1
		X	Contract Lab							A
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		MCAA Exp.	MCAA Lot#
			W-PCL-TQ-R		W-CAR8-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R	Ice		
			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*	
					Acid Preservative Expiration Date					<2
					Acid Preservative Lot Number					



RQ-2022-12-26-05	Collected By: Sarah Meyer, Kevin Grace
Customer: FDEP	Field Report Prepared by: Sarah Meyer, Kevin Grace
Project ID: SMP	Sampling Agency: FDEP

WIN ID/Field ID: 
 WIN ID/Field ID: G5SW0190

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

Location: Clam Bayou (East Drainage-North) @ 26th Ave S

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)						
12/15/2022 1100	2.91	36.5	23.7	7.1	0.3	0.4	0.4	17073	10.05						
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	X	Enterococci				x	Ice	1	B		
		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	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	H2SO 4*	<2							
				Acid Preservative Expiration Date											
				Acid Preservative Lot Number											

Benchmark EnviroAnalytical, Inc.
E84167
 1711 Twelfth Street East
 Palmetto, FL 34221
 (941) 723-9986 / (941) 723-6061 fax
 Sample Temperature checked upon receipt at BEA with Temperature Gun ID #258

Client Information: FDEP
 Address: 13051 N. Telecom Parkway
 Tampa FL 33604
 Phone # 815-470-5878

Report to: benjamin.paswater@dep.state.fl.us
 Invoice to: FDEP Micro Overflow

PO# FDEP SM ROC

Project Name: RQ-2022-12-26-00

Laboratory Submission # 22120957

Sample Name	Sample Type / Matrix	Collection		Container		Preservative ⁴	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type ³		
G5SW0188	G SSW	12/15/2022	1025	1		ice	Enteroto	1
G5SW0187	G SSW	12/15/2022	0920	1		ice	Enteroto	2
G5SW0190	G SSW	12/15/2022	1100	1		ice	Enteroto	3

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), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).
³ "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
⁴ Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42°F).
⁵ Under "Preservative," list any preservatives that were added to the sample container. Lot Number of preservative used is specific to the bottles included in the kit. NaThio, H₂SO₄ and HNO₃ do not have expiration dates per the manufacturer. Micro bottles are pre-preserved at manufacturing stage. Airtight vials are pre-preserved at manufacturing stage.

Instructions:
 1. Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
 2. 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.
 3. All bottles must be pre-preserved with appropriate preservative any time prior to collection.
 4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.
 5. Sample kit has been created by BEA using new, certified bottles unless otherwise noted.

Laboratory Sample Acceptability:
 pH < 0 BEA Temperature: 5.7
 BEAS Temperature:

1	Collected / Relinquished By & Affiliation: (Print & Sign)	Date 12/15/2022	Time 1142	Received By & Affiliation: (Print & Sign)	Date 12/17/22	Time 142
	<i>Sarah Meyer</i>			<i>Benjamin Paswater</i>		
2	Relinquished By & Affiliation: (Print & Sign)	Date	Time	Received By & Affiliation: (Print & Sign)	Date	Time

Date of Request: 17-NOV-2022
 Created By: MEYER_S On: 17-NOV-2022
 Modified By: JASROTIA_P On: 08-DEC-2022
 Customer: SW-DIST
 Project: SMP
 Division:
 District: Southwest District
 Event Description: Pinellas Continuous Monitoring

Send Coolers To:

Phone: 813-470-5782
 FL Dept. of Environmental Protection
 13051 N. Telecom Parkway
 Temple Terrace, FL 33637-0926
 Attn: Sarah Meyer
 Cooler Ship EMail: sarah.meyer@dep.state.fl.us

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 08-DEC-2022
 Biology Request Reviewed By: JASROTIA_P On: 08-DEC-2022
 Sampling Kit Required: YES Ship on: 16-DEC-2022
 Sampling Kit Shipped: YES On: 13-DEC-2022
 Sampling Kit Packed By: KREUCH_B
 Preservatives Needed: NO
 Date to Receive Samples: 26-DEC-2022
 Logged In By: SHAIK_A On: 16-DEC-2022

Send Final Report To:

FL Dept. of Environmental Protection
 13051 N. Telecom Parkway
 Temple Terrace, FL 33637-0926
 Attn: Sarah Meyer
 Report Notification EMail:
 sarah.meyer@dep.state.fl.us;benjamin.paswater@dep.state.fl.us

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-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: 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
SW-BEA-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by BEA in Palmetto
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 1 Samples:

Bottle Type: P-250ML-WI-THI	Number of Bottles: 1	Preserved With: ICE
SW-BEA-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by BEA in Palmetto

Bottle Group C (Water) With 1 Samples:

Bottle Type: QPCR-P-500ML	Number of Bottles: 1	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 C (Water) With 1 Samples:

Bottle Type: QPCR-P-500ML		Number of Bottles: 1	Preserved With: ICE
PCR-GFD	Template: DEFAULT	(SOP-PCR-1.3) Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction	
PCR-GULL2	Template: DEFAULT	(SOP-PCR-1.2) Detection and quantification of coastal bird specific Catellicoccus marimammalium Gull2 genetic marker with quantitative polymerase chain reaction	
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: 1	Preserved With: ICE
SW-BEA-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by BEA in Palmetto	
Bottle Type: BG-500ML		Number of Bottles: 1	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: SMP	(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.