

Shaik, Amzad

From: Yodzis, Jacob
Sent: Tuesday, June 28, 2022 11:32
To: Shaik, Amzad; Mathias, Devin
Subject: RE: RQ-2022-06-27-05 MATRIX

Shaik,

The Matrix should be Fresh per SOP and what Survey123 states in regards to matrix and Sp Cond.

We overlooked that important detail and had checked off Marine since all three sites the vegetation indicates that each is tidally influenced to some degree. These sites are essentially big mosquito ditches that lead directly into the bay, with the recent beginning to our rainy season, they have become inundated with stormwater runoff.

Thank you for catching our mistake.

Jacob

From: Shaik, Amzad <Amzad.Shaik@dep.state.fl.us>
Sent: Tuesday, June 28, 2022 11:15 AM
To: Mathias, Devin <Devin.Mathias@FloridaDEP.gov>
Cc: Yodzis, Jacob <Jacob.Yodzis@FloridaDEP.gov>
Subject: RE: RQ-2022-06-27-05 MATRIX

All 3 sites matrix indicated as MARINE (SALT) but Sp COND below 5000, when COND below 5000 lab concerned as SURF FRESH.

Please clarify the matrix.

Thanks!

From: Mathias, Devin <Devin.Mathias@FloridaDEP.gov>
Sent: Monday, June 27, 2022 16:33
To: Lab.Receiving <Lab.Receiving@floridadep.gov>
Cc: Yodzis, Jacob <Jacob.Yodzis@FloridaDEP.gov>
Subject: RQ-2022-06-27-05

Hello Lab I have attached the cover sheet and benchmark form for the SMP Run completed today that will arrive tomorrow in 2 coolers.

Have a great night



Devin Mathias
Florida Department of Environmental Protection
Southwest Regional Operation Center
Division of Environmental Assessment &
Restoration
Environmental Specialist II
Devin.Mathias@FloridaDEP.gov
Office: 813-470-5770

Login Checklist

RQ- **2022 - 06 - 27 - 05**

Login Station ID: **# 3**

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

Date/Time of Receipt: **06-28-2022 / 09:12**

*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			5225 5547 8717
1.6C				6		x			9293 8012 4812

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 **x** No **//X/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-")

ABS

****Acid Preserved Samples:** pH< 2.0? Yes **//X//** No _____ NA **x** 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: **06/28/2022** Event contains NCRs (Y/N)? **n**

Event ID: **SW - DIST - 2022 - 06 - 28 - 01**

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IRTG # 3 EXP:10/19/2022
pH Test Strips 0 – 6	LOT#223819AV EXP:8/30/2023
pH Paper 0 – 3	N/A
pH Paper 0 – 13	LOT 207621 EXP:3/15/2024
Chlorine Test Strips	0064110025105 abs 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# _____

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: 6/27/2022 **Collected By:** Devin Mathias, Jacob Yodzis
Customer: SW-DIST **Sampling Agency:** FDEP
RQ: RQ-2022-06-27-05 **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: 2 **Delivery Method:** FedEx

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

Site Location	Field ID/WIN ID
Wares Crk @ 9th Ave	 G2SW0029
Wares Creek Tidal by Watertower	 G2SW0108
West Cedar Hammock @ American Legion	 G3SW0109

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 6/27/2022
1700 EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: A.SHAIK

Rec'd/Inspected
Date: 06/28/2022



RQ-2022-06-27-05

Collected By: Devin Mathias, Jacob Yodzis

Customer: FDEP

Field Report Prepared by: Devin Mathias, Jacob Yodzis

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID: 
 WIN ID/Field ID: G2SW0029

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

Location:

Location: Wares Crk @ 9th Ave

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)
6/27/2022 1020	4.44	56.1	27	7.08	0.3	0.3	0.8	2098	1.08

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 #									
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	C
	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)	X	W-E8321-DI	X	W-E8321-MS		W-PSNP-TQ	MCAA Exp.	MCAA Lot#	1	C	
		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						



RQ-2022-06-27-05	Collected By: Devin Mathias, Jacob Yodzis
Customer: FDEP	Field Report Prepared by: Devin Mathias, Jacob Yodzis
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G2SW0108	Comments: Microbiology sample(s) submitted to contract laboratory.

Location:

Location: Wares Creek Tidal by Watertower

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)
6/27/2022 1050	5.67	71.3	27	7.47	0.15	0.3	0.8	385.1	0.18

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 Lot # _____ Exp: _____	Ice H2SO4*	<2		
Metals (P-500ML)	W-ICPMS W-ICP W-HARD Lot # _____ Exp: _____	Ice HNO3*	<2		
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-CLIC / 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 Contract Lab	x Ice		1	A
Molecular (QPCR-P-500ML)	PCR-HF183 PCR-BacR PCR-DG3 PCR-GULL2 PCR-GFD	Ice			
Tracers (BG-500ML)	W-E8321-DI W-E8321-MS	Ice			
Pesticides (BG-500ML) (BG-1L)	X W-E8321-DI X W-E8321-MS X W-PSNP-TQ X W-PCL-TQ-R X W-CARB-AA (5 ml of MCAA Buffer Solution) X W-CT-CL-R X W-TR-SQ-R X W-PCB-TQ-R	x Ice	MCAA Exp. 02/04/2023	MCAA Lot# 128343	10 A
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice			



RQ-2022-06-27-05	Collected By: Devin Mathias, Jacob Yodzis
Customer: FDEP	Field Report Prepared by: Devin Mathias, Jacob Yodzis
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G3SW0109	Comments:

Location:
Location: West Cedar Hammock @ American Legion

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)
6/27/2022 1130	6.62	86.2	29	7.38	0.3	0.5	0.5	789	0.38

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 #								
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)	W-E8321-DI		W-E8321-MS		Ice						
Pesticides (BG-500ML) (BG-1L)	X	W-E8321-DI	X	W-E8321-MS		W-PSNP-TQ		MCAA Exp.	MCAA Lot#	1	B
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R	x	Ice			
		W-TR-SQ-R		W-PCB-TQ-R							
Phytoplankton	DTY-QN-C		PKD-QN-BV		Ice						

Benchmark EnviroAnalytical, Inc
1711 12th Street East
Palmetto, FL 34221
941-723-9986
941-723-6061 Fax

PO# B77880

Client Information: **DEP: SW-DIST**

Address: 13051 N. Telecom Parkway
Tampa FL 33604

Phone # 815-470-5878

Report to: benjamin.paswater@dep.state.fl.us
DEP-Overflomicro@dep.state.fl.us

Invoice to: FDEP Micro Overflow

Project Name: RQ-2022-06-27-05

Laboratory Submission #

22061607

Sample Name	Sample Type ¹ / Sample Matrix ²	Collection		Container			Preservative ⁴	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type ³			
G25W0029	SW	06/27/22	1020	1	250mL	P	Plain (on Ice)	Enteroc	1
G25W0108	SW	06/27/22	1050	1	250mL	P	Plain (on Ice)	Enteroc	2
G35W0109	SW	06/27/22	1130	1	250mL	P	Plain (on Ice)	Enteroc	3
	SW				250mL	P	Plain (on Ice)		
	SW				250mL	P	Plain (on Ice)		
	SW				250mL	P	Plain (on Ice)		
	SW				250mL	P	Plain (on Ice)		

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 (DDW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDM/T), 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 ice after collection. The temperature during storage should be less than or equal to 4°C (42.8°F).
Under "Preservative," list any preservatives that were added to the sample container.

Impressions:

- Each bottle has a label identifying sample ID, preservative, 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, sample's name or initials, and any field number or ID.
- All bottles not containing preservative must be rinsed with appropriate sample prior to collection.
- The client is responsible for destruction of the sampling event. Please print original sampling event on the sample custody form.

Laboratory Sample Acceptability:

Temperature: 2.7°C

1 Collected / Relinquished By:	Date	Time	Received By:	Date	Time
Jacob Yoder	06/27/2022	12			
2 Relinquished By:	Date	Time	Received By:	Date	Time
Jacob Yoder	06/27/2022	1215	Nathan Haskell BGA	6-27-22	1215

Date of Request: 09-FEB-2022
 Created By: PASWATER_B On: 09-FEB-2022
 Modified By: JASROTIA_P On: 08-JUN-2022
 Customer: SW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Southwest District
 Event Description: 2022 Run 9

Send Coolers To:

Phone: 813-632-7600
 FL Dept. of Environmental Protection
 13051 N. Telecom Parkway
 Temple Terrace, FL 33637-0926
 Attn: Ben Paswater
 Cooler Ship EMail: benjamin.paswater@dep.state.fl.us

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 08-JUN-2022
 Biology Request Reviewed By: JASROTIA_P On: 08-JUN-2022
 Sampling Kit Required: YES Ship on: 17-JUN-2022
 Sampling Kit Shipped: YES On: 16-JUN-2022
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: YES
 Date to Receive Samples: 27-JUN-2022
 Logged In By: SHAIK_A On: 28-JUN-2022

Send Final Report To:

13051 N. Telecom Parkway
 Temple Terrace, FL 33637-0926
 Attn: Ben Paswater
 Report Notification EMail:
 benjamin.paswater@dep.state.fl.us;sarah.meyer@dep.state.fl.us
 ;Jacob.Yodzis@FloridaDEP.gov

Comments:

#####

Buffer Solution for W-CARB-AA Bottle Needed

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W-TR-SQ-R (sunscreens)

Wash your hands thoroughly and wear gloves. Refrain from using sunscreens on the day of sample collection.

#####

Bottle Group A (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 Type: BG-500ML	Number of Bottles: 1	Preserved With: CH2CICOOH and Ice
W-CARB-AA	Template: DEFAULT	(EPA 8321B) Carbamates in water matrices by HPLC/MS/MS
Bottle Type: BG-500ML FILL TO	Number of Bottles: 4	Preserved With: ICE
W-CT-CI-R	Template: DEFAULT	(EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCB-TQ-R	Template: DEFAULT	(EPA 8270E) PCBs in water matrices by GC/MS/MS
W-PCL-TQ-R	Template:	(EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS
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
Bottle Type: BG-1L	Number of Bottles: 4	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:	(EPA 8270E) Analysis of Sunscreen Compounds in Water by GC/MS-SIM

Bottle Group B (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 B (Water) With 1 Samples:

Bottle Type: QPCR-P-500ML	Number of Bottles: 1	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: 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

Bottle Group C (Water) With 1 Samples:

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
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

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