

Login Checklist

RQ- 2022 - 07 - 11 - 08

Login Station ID: # 3

Shipping Method: ☒ FedEx | ☐ UPS | ☐ HD | ☐ Greyhound

Date/Time of Receipt: **07/12/2022 / 09:55**

[illegible]

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 °C (above 10.0 °C 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**

CONTAINER CHECK

Evidence Tape on Bottles? Yes ☐ No ☐ NA ☒

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: 07/12/2022

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

Event ID: **SW - DIST - 2022 - 07- 12 - 0**

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	0164/11/2021/05 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: 7/11/2022
Customer: SW-DIST
RQ: RQ-2022-07-11-08
Collected By: Ben Paswater, Natalie Abdo
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
Lake Hanna Outlet @ Livingston Ave	 G2SW0143
Hollin Creek @ Cypress Run Golf Club	 G5SW0186
Lake Hanna Outle @ Hanna Road	 G2SW0142
Pepper Mound Creek @ Bay Vue	 G1SW0125

RELINQUISHED BY(SIGNATURE):

Natalie Abdo

DATE/TIME: 7/11/2022
1630 EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: A.SHAIK

Rec'd/Inspected
Date: 07/12/2022



RQ-2022-07-11-08	Collected By: Ben Paswater, Natalie Abdo
Customer: FDEP	Field Report Prepared by: Ben Paswater, Natalie Abdo
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G2SW0143	Comments:

Location:

Location: Lake Hanna Outlet @ Livingston Ave

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)
7/11/2022 1010	3.33	41.5	26.3	6.99	0.15	0.3	0.3	451.2	0.22

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 # SA1308030		Exp:	12/01/22							
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)	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						
		W-E8321-DI	W-E8321-MS	W-PSNP-TQ			MCAA Exp.	MCAA Lot#				
Pesticides (BG-500ML) (BG-1L)		W-PCL-TQ-R	W-CARB-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						



RQ-2022-07-11-08

Collected By: Ben Paswater, Natalie Abdo

Customer: FDEP

Field Report Prepared by: Ben Paswater, Natalie Abdo

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G5SW0186

Comments:

Location:

Location: Hollin Creek @ Cypress Run Golf Club

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)
7/11/2022 1145	4.57	57.3	26.9	6.77	0.15	0.3	0.3	431.8	0.21

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-BODUIN				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)	X	E Coli		F Coli		Enterococci	x	Ice	1 B
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		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			



RQ-2022-07-11-08

Collected By: Ben Paswater, Natalie Abdo

Customer: FDEP

Field Report Prepared by: Ben Paswater, Natalie Abdo

Project ID: SMP

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G2SW0142

Location:

Location: Lake Hanna Outlet @ Hanna Road

Matrix: Fresh

(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)				
7/11/2022 950	4.95	63.1	27.8	6.89	0.15	0.3	0.3	220.2	0.1				
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 #		SA1308030		Exp:		12/01/22					
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)		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		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						



RQ-2022-07-11-08

Collected By: Ben Paswater, Natalie Abdo

Customer: FDEP

Field Report Prepared by: Ben Paswater, Natalie Abdo

Project ID: SMP

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G1SW0125

Location:

Location: Pepper Mound Creek @ Bay Vue

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)		
7/11/2022 1050	1.69	21.9	27.3	6.85	0.4	0.4	0.8	8387	4.63		
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-CHC / 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)	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					

Date of Request: 19-APR-2022
 Created By: PASWATER_B On: 19-APR-2022
 Modified By: KLUG_K On: 12-JUL-2022
 Customer: SW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Southwest District
 Event Description: SMP:: Run 12

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: KLUG_K On: 12-JUL-2022
 Biology Request Reviewed By: KLUG_K On: 12-JUL-2022
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped: YES On: 30-JUN-2022
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 11-JUL-2022
 Logged In By: SHAIK_A On: 12-JUL-2022

Send Final Report To:

FL Dept. of Environmental Protection
 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: Slowman and Fishhawk

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-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)
*Color (true)		
W-F	Template: DEFAULT	(SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-2011) Total Dissolved Solids in aqueous matrices
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-WO-THI	Number of Bottles: 1	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
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 3 Samples:

Bottle Type: P-250ML-WO-THI	Number of Bottles: 3	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group B (Water) With 3 Samples:

Bottle Type: QPCR-P-500ML		Number of Bottles: 3	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	
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: BG-500ML		Number of Bottles: 3	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.