Login Checklist

RQ-2021-05-17-23

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 05 | 20 | 2021 @ 10:10

*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	
8.6				11		X			9293 8013 0391
12.2				7		X			9293 8013 0381

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#** 8841

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: TyLnM

Chlorine detected? *(One container checked per Field ID)* Yes _____ No X Init: TyLnM

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: TyLnM

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

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

Coolers Unpacked/Checked by: TR **Date:** 05/20/2021 **Event contains NCRs (Y/N)?** YES

Event ID: 2021 SMP: Lemon Bay
SO-DIST-2021-05-20-01 (SMP)
Date Received: 20-MAY-2021 10:10

Login Checklist

Login Preservation Equipment	Lot # & Exp: Date
Infrared Thermometer ID:	#4 Temp Gun EXP:10/28/2021
pH Test Strips 0 – 6	N/A
pH Paper 0 – 3	N/A
pH Paper 0 – 13	210620 EXP:04/15/2023
Chlorine Test Strips	0261 EXP:05/2023

Additional Comments:

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# _____

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: 5/18/2021
Customer: SO-DIST
RQ: RQ-2021-05-17-23

Collected By: Kirby Wolfe, 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: 2 **Delivery Method:** FedEx

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

Site Location	Field ID/WIN ID
AlligatorCrk@ShamrockDr	G2SD0048
ALLIGATOR @JACARANDA	G2SD0026
GOTTFRIED CREEK @ DEER CREEK MOBILE HOME	G2SD0028

RELINQUISHED BY(SIGNATURE):

DATE/TIME: 5/18/2021 1500 EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: Tyler Reynolds **Rec'd/Inspected Date:** 05/20/2021 @10.10

RQ-2021-05-17-23	**Collected By**: Kirby Wolfe, William Mullen
Customer: FDEP	**Field Report Prepared by**: Kirby Wolfe, William Mullen
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G2SD0048 **Location**: AlligatorCrk@ShamrockDr	**Comments:**
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 (PPTh
5/18/2021 920	3.54	51.8	25.3	7.17	0.3	0.9	0.9	49739	32.54
Central Lab please use top row for login purposes									

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 #											
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-BR-IC / W-F / W-TSS / TURBIDITY							Ice				
Macroinvertebrates (PJ-2L)		MI-FW-QLDC							Ice				
Periphyton (PT-50ML)		ALGAE-ID							Ice				
Microbiology (Contract Lab Bottle)		E Coli		F Coli	X	Enterococci		X	Ice			1	A
		Contract Lab											
Molecular (QPCR-P-500ML)	X	PCR-HF183	X	PCR-BacR	X	PCR-DG3		X	Ice			1	A
		PCR-GULL2		PCR-GFD									
Tracers (BG-500ML)	X	W-E8321-DI	X	W-E8321-MS				X	Ice			1	A
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		W-E8321-MS		W-PSNP-TQ			Ice				
						W-DIELDRIN							
		W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R							
Phytoplankton		DTY-QN-C		PKD-QN-BV					Ice				

RQ-2021-05-17-23	**Collected By**: Kirby Wolfe, William Mullen
Customer: FDEP	**Field Report Prepared by**: Kirby Wolfe, William Mullen
Project ID: SMP	**Sampling Agency**: FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G2SD0026 **Location**: ALLIGATOR @JACARANDA	**Comments**:
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 (PPTh
5/18/2021 950	2.46	30	24.7	7.3	0.3	0.95	0.95	4849	2.59

Central Lab please use top row for login purposes

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 um Filter Filter Lot # Syringe Lot #	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-BR-IC / W-F / W-TSS / TURBIDITY	Ice			
Macroinvertebrates (PJ-2L)	MI-FW-QLDC	Ice			
Periphyton (PT-50ML)	ALGAE-ID	Ice			
Microbiology (Contract Lab Bottle)	X E Coli F Coli Enterococci Contract Lab	x Ice		1	B
Molecular (QPCR-P-500ML)	X PCR-HF183 X PCR-BacR X PCR-DG3 PCR-GULL2 PCR-GFD	x Ice		1	B
Tracers (BG-500ML)	W-E8321-DI W-E8321-MS W-PSNP-TQ W-DIELDRIN	Ice			
Pesticides (BG-500ML) (BG-1L)	X W-E8321-DI X W-E8321-MS X W-PSNP-TQ W-PCL-SQ-R X W-CARB-AA (5 ml of MCAA** Buffer Solution) X W-CT-CL-R	x Ice		10	B
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice			

RQ-2021-05-17-23 | **Collected By**: Kirby Wolfe, William Mullen

Customer: FDEP	**Field Report Prepared by:** Kirby Wolfe, William Mullen
Project ID: SMP	**Sampling Agency:** FDEP
WIN ID/Field ID:  **WIN ID/Field ID:** G2SD0028 **Location:** GOTTFRIED CREEK @ DEER CREEK MOBILE HOME	**Comments:**
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 (PPTh
5/18/2021 1045	3.33	49.3	25.6	7.77	0.3	1.05	1.05	52872	34.86

Central Lab please use top row for login purposes

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)	x W-ICPMS x W-ICP x W-HARD	x Ice x HNO3*	X	<2	1	C
	Lot # NA0344060 Exp: 01/04/2022					
Filtered Nutrients (P125ML)	W-PO4-F Field Filtered 0.45 um Filter	Ice				
	Filter Lot #					
	Syringe Lot #					
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-BR-IC / W-F / W-TSS / TURBIDITY	Ice				
Macroinvertebrates (PJ-2L)	MI-FW-QLDC	Ice				
Periphyton (PT-50ML)	ALGAE-ID	Ice				
Microbiology (Contract Lab Bottle)	E Coli F Coli Enterococci	Ice				
	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				
	W-DIELDRIN					
	W-PCL-SQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-CT-CL-R					
Phytoplankton	DTY-QN-C PKD-QN-BV	Ice				

Benchmark EnviroAnalytical, Inc.
1001 Corporate Ave. Suite 102
North Port, FL 34289
(941) 625-3137 / (941) 240-3071 fax

Client Name: FDEP
Address: 2600 Blair Stone Rd.
Tallahassee, FL, 32399
Phone: (850) 245-8085
Email: dep-overflowmicro@dep.state.fl.us

Bill to: Frances Moore
P.O. #: Lab B16970

Project Name: RQ-2020-05-17-23

Project Run/Location:

Laboratory Submission #: S21050490

Station ID	Surface Water Sample Matrix[2] (Fresh / Marine) Sample Type	Enterococci E.coli (SM9223B Quantitray) E.Coli = 250 mL ; Entero = 120 mL ; Fecal Coliform = 120 mL	Laboratory Sample #
G2SD0048	F / (M) / (G)	E.coli / (Entero) / F.coli Date & Time: 5/18/21 9:20	1
G2SD0026	(F) / M / (G)	E.coli / (Entero) / F.coli Date & Time: 5/18/21 ~~9:50~~ 9:50	2
	F / M / Grab	E.coli / Entero / F.coli Date & Time:	
	F / M / Grab	E.coli / Entero / F.coli Date & Time:	
	F / M / Grab	E.coli / Entero / F.coli Date & Time:	
	F / M / Grab	E.coli / Entero / F.coli Date & Time:	
	F / M / Grab	E.coli / Entero / F.coli Date & Time:	
	F / M / Grab	E.coli / Entero / F.coli Date & Time:	
	F / M / Grab	E.coli / Entero / F.coli Date & Time:	
	F / M / Grab	E.coli / Entero / F.coli Date & Time:	
	F / M / Grab	E.coli / Entero / F.coli 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 (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 maximum temperature during storage should be 6°C (42.8°F). Under "Preservative," list any preservatives that were added to the sample container.

Laboratory Sample Acceptability:
pH <2 : 0 BEAS Temperature: 3.3C

Instructions:
1. Each bottle has a label identifying sample ID, preassigned 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 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 the sample custody form.

1	Collector: Kirby Wolfe	Date: 5/18/21	Time:	Received By:	Date:	Time:
2	Relinquished by:	Date: 5/18/21	Time: 1142	Received By: Miranda Muehaupt	Date: 5/18/21	Time: 1142
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:

RQ-2021-05-17-23

Date of Request: 20-APR-2021
Created By: MULLEN_W On: 20-APR-2021
Modified By: JASROTIA_P On: 28-APR-2021
Customer: SO-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: South District
Event Description: 2021 SMP: Lemon Bay

Send Coolers To:

Phone: 239-344-5716
FLDEP South District Office
2295 Victoria Ave. Suite 364
Fort Myers, FL 33901-3381
Attn: William Mullen
Cooler Ship EMail: William.Mullen@FloridaDEP.gov

Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 28-APR-2021
Biology Request Reviewed By: JASROTIA_P On: 28-APR-2021
Sampling Kit Required: YES Ship on: 07-MAY-2021
Sampling Kit Shipped: YES On: 05-MAY-2021
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: NO
Date to Receive Samples: 17-MAY-2021
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;Kirby.Wolfe@dep.state.fl.us;Gary.Snorek@dep.state.fl.us;William.Mullen@FloridaDEP.gov

Comments: Group A: (Alligator Tidal) Entero, Markers, Tracers
Group B: (Alligator) E. coli, Markers, Pesticides
Group C: (Gottfried) Metals, W-PCL-TQ-R

Bottle Group A (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
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

SD-BES-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by BEA South in North Port

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:	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

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
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

SD-BES-ECQ	Template: DEFAULT	(SM 9223 Quanti-Tray) E. coli by Colilert/QT by BEA South in North Port

Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: CH2ClCOOH Pre-Preserved

W-CARB-AA	Template: DEFAULT	(EPA 8321B) Carbamates in water matrices by HPLC/MS/MS

Bottle Type: BG-500ML 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-PCL-TQ-R	Template: DEFAULT	(EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS

Bottle Group B (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:	(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

Bottle Group C (Water) With 1 Samples:

Bottle Type: BG-500ML — Number of Bottles: 4 — Preserved With: ICE

W-DIELDRIN	Template: DEFAULT	(EPA 8270E) Dieldrin (ultra low level) in water matrices by GC/MS/MS
W-PCL-TQ-R	Template: DEFAULT	(EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS

Bottle Type: P-500ML — Number of Bottles: 1 — Preserved With: HNO3

W-HARD	Template: DEFAULT	(SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3
Hardness		
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Iron		
Magnesium		
Manganese		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Aluminum		
Antimony		
Arsenic		
Beryllium		
Cadmium		
Chromium		
Copper		
Lead		
Nickel		
Selenium		
Silver		
Thallium		

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