

Login Checklist

RQ- 2022-07-04-60

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 08/17/22 @ 15:38

*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	
1.4				2		X			

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 ✓ No _____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes _____ No X

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 X Init: R

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

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: R

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

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

Coolers Unpacked/Checked by: R Date: 08/17/22 Event contains NCRs (Y/N)? N

Event: Run1 Wekiva Spring, Waccasassa, Metal
TLH-ROC-2022-08-17-02 (SMP)

Date Received: 17-AUG-2022 15:38

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	#4 Temp Gun EXP:10/19/2022
pH Test Strips 0 – 6	223819AV EXP:08/30/2023
pH Paper 0 – 3	N/A
pH Paper 0 – 13	207621 EXP:03/15/2024
Chlorine Test Strips	0070 EXP:02/2023

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: _____

Took 4 micro-bottles
JH 8/17/22

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 8/17/2022 **Collected By:** Chris Green, Trey Fitzgerald
Customer: TLH-DIST **Sampling Agency:** FDEP
RQ: RQ-2022-07-04-60 **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: HandDelivered

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

Site Location	Field ID/WIN ID
G1TLHR0101	 G1TLHR0101
Waccasassa River @ Boat Ramp	 G1TLHR0032
FB	 FB_08172022

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 8/17/2022

1600 EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

Rec'd/Inspected

Date:



RQ-2022-07-04-60

Collected By: Chris Green, Trey Fitzgerald

Customer: FDEP

Field Report Prepared by: Chris Green, Trey Fitzgerald

Project ID: SMP

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G1TLHR0101

Location:

Location: G1TLHR0101

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)
8/17/2022 1215	4.79	57.2	27.5	7.33	0.3	0.9	2.4	633	0.25

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	W-HARD	x	Ice	x	HNO3*
	Lot #		NA1286110		Exp:		11-16-22		
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)	x	E Coli		F Coli	x	Enterococci	x	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	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-2022-07-04-60	Collected By: Chris Green, Trey Fitzgerald
Customer: FDEP	Field Report Prepared by: Chris Green, Trey Fitzgerald
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G1TLHR0032	Comments:

Location:

Location: Waccasassa River @ Boat Ramp

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)
8/17/2022 1230	5.35	65.8	25.9	7.28	0.3	0.8	2	260	0.13

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	W-HARD	x	Ice x HNO3*	X	<2	1
	Lot #		Na12i6110		Exp: 11-16-22					B
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-CI-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	x	Enterococci	x	Ice	2	B
	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				



RQ-2022-07-04-60

Collected By: Chris Green, Trey Fitzgerald

Customer: FDEP

Field Report Prepared by: Chris Green, Trey Fitzgerald

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: FB_08172022

Comments:

Location:

Location: FB

Matrix: W-FIELD-BLANK

(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)
8/17/2022 1240									

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	W-HARD	x	Ice	x	HNO3*	
	Lot #		Na12i6110		Exp:	11-16-22		x	<2	1
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		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	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: 23-JUN-2022
 Created By: GREEN_C On: 23-JUN-2022
 Modified By: JASROTIA_P On: 24-JUN-2022
 Customer: TLH-ROC
 Project: SMP
 Division:
 District: Not Applicable
 Event Description: Run1 Wekiva Spring, Waccasassa, Metals Blank

Send Coolers To:

Phone: 850-245-8413
 2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Chris Green
 Cooler Ship EMail: Terry.Green@FloridaDEP.gov

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 24-JUN-2022
 Biology Request Reviewed By: JASROTIA_P On: 24-JUN-2022
 Sampling Kit Required: YES Ship on: 01-JUL-2022
 Sampling Kit Shipped: YES On: 29-JUN-2022
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: YES
 Date to Receive Samples: 04-JUL-2022
 Logged In By:

Send Final Report To:

2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Chris Green
 Report Notification EMail: Terry.Green@FloridaDEP.gov

Comments: Bottle group A Wekiva Spring
 Bottle group B 2 Waccasassa sites
 Bottle group C Marine Metals Blank

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-SO ₄ -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-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 Group B (Water) With 2 Samples:

Bottle Type: P-250ML-WO-THI	Number of Bottles: 2	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
ENT-24-QT	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: HNO ₃

Bottle Group B (Water) With 2 Samples:

Bottle Type: P-500ML Number of Bottles: 2 Preserved With: HNO₃
 W-ICP Template: SMP-MARINE (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
 Strontium
 Tin
 Titanium
 Vanadium
 Zinc

W-ICPMS Template: SMP-MARINE (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

*Strontium
 Aluminum
 Antimony
 Arsenic
 Beryllium
 Cadmium
 Chromium
 Cobalt
 Copper
 Lead
 Manganese
 Molybdenum
 Nickel
 Selenium
 Silver
 Thallium

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: HNO₃
 W-ICP Template: SMP-MARINE (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
 Strontium
 Tin
 Titanium
 Vanadium
 Zinc

W-ICPMS Template: SMP-MARINE (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

*Strontium
 Aluminum
 Antimony
 Arsenic
 Beryllium
 Cadmium
 Chromium
 Cobalt
 Copper
 Lead
 Manganese
 Molybdenum
 Nickel
 Selenium
 Silver
 Thallium