

Reaves, Shawn D

From: Schmuki, Heather
Sent: Tuesday, December 8, 2020 10:38 AM
To: Ayres, Joshua
Cc: Savage, Jacqueline; Watts, John; Reaves, Shawn D; Shaik, Amzad; Butler, Myranda K
Subject: Re: RQ-2020-11-09-30 | NW-DIST-2020-11-13-02.pdf

Sorry this wasn't caught. The tablet changed the time. The correct time is 10:18.

Heather Schmuki

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Sent: Tuesday, December 8, 2020 7:42:21 AM
To: Schmuki, Heather <Heather.Schmuki@FloridaDEP.gov>
Cc: Savage, Jacqueline <Jacqueline.Savage@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>; Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>; Shaik, Amzad <Amzad.Shaik@dep.state.fl.us>
Subject: RQ-2020-11-09-30 | NW-DIST-2020-11-13-02.pdf

Heather-

Got a quick question about RQ-2020-11-09-30 | NW-DIST-2020-11-13-02

Looks like the collection times are off by an hour when comparing the time on the overflow COC to the lab electronic COC.

Is it possible that the tablet hasn't been adjust for daylight savings yet?

		RQ-2020-11-09-30		Collected By:		
		Customer: WQAP		Field Rep:		
		Project ID: SMP		Sampling A:		
Place Label Here				Comment		
WIN ID/Field ID:						
		03NN0137				
Location:		Mouth Of Mullet Creek @ Hwy 20				
Matrix: Marine (Check one)						
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C)	pH	Sample Depth (m)
11/12/2020	11:18 CEN	4.45	52.2	23.3	5.6	0.3
Central Lab please use top row for login p						

samples to transport

Preservative	Sample (C)	Sampling Date/Time
caustic S ₂ O ₈	4.1	11/12/20 10:19



JOSHUA AYRES
 Environmental Specialist III
 DEP Laboratories
 Voice: 850.245.8206
joshua.Ayres@dep.state.fl.us

From: Savage, Jacqueline <Jacqueline.Savage@dep.state.fl.us>
Sent: Tuesday, December 8, 2020 08:19
To: Shaik, Amzad <Amzad.Shaik@dep.state.fl.us>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>
Subject: Emailing - NW-DIST-2020-11-13-02.pdf

Hi Amzad,

The submittal sheets for the attached event have the sample collected at 11:18 CEN. The overflow submittal sheets have the sample collected at 10:18 CEN. The samples were logged in with a collection time of 11:18 EST. Can you get confirmation to attach to the event file of the correct time? This is due for report certification 12/11.

Thanks,
 Jackie

Login Checklist

RQ- **2020- 11 - 09 - 30**

Login Station ID: **# 3**

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: **11/13/2020 / 10:00**

*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	
2.6C				5		X			1Z 1YR 217 84 9635 4550

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

Chlorine detected? (One container checked per Field ID) Yes _____ No _____ 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: 11/13/2020 Event contains NCRs (Y/N)? **N**

Event ID: NW-DIST - 2020 - 11 - 13 - 0 **2**

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IRTG # 3 EXP:10/28/2021
pH Test Strips 0.0 – 6.0	213316 BV EXP:05/15/21
pH Paper 0.0 – 3.0	XX XX XX XX
pH Paper 0.0 – 13.0	231019 EXP:11/01/2022
Chlorine Test Strips 0.-10.0	0129 / 2023 / 03

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: 11/12/2020
Customer: NW-DIST
RQ: RQ-2020-11-09-30
Collected By: Heather Schmuki, Myranda Clark
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

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

Site Location	Field ID/WIN ID
Mouth Of Mullet Creek @ Hwy 20	 G3NW0137

RELINQUISHED BY(SIGNATURE):

Heather Schmuki

DATE/TIME: 11/12/2020; 14:12

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: A.SHAIK

Rec'd/Inspected Date: 11/13/2020



RQ-2020-11-09-30

Customer: WQAP

Project ID: SMP

Collected By: Heather Schmuki, Myranda Clark

Field Report Prepared By: Heather Schmuki

Sampling Agency: FDEP

Place Label Here						Comments:				
WIN ID/Field ID:  G3NW0137 Location: Mouth Of Mullet Creek @ Hwy 20										
Matrix: Marine						(Check one) ☒ GRAB ☐ COMPOSITE				
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
11/12/2020	11:18 CEN	4.45	52.2	23.3	5.6	0.3	0.8 ☒ VOB (S)	0.8	31.6	0.01
Central Lab please use top row for login purposes										
	CEN									
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	1	A
		Lot # 9354050		Exp:		12/20/20				
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			1	A
		Filter Lot # 17097890								
		Syringe Lot # 0079929								
Chlorophyll (BP-1L)		☐ CHLSUITE-W				☐ Ice				
Physical/Aggregate (Fresh) (P-1L)		☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHIC / 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				☐ Formalin				
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice				
Microbiology (Contract Lab Bottle)		☐ E Coli ☒ F Coli ☒ Enterococci ☐ Contract Lab				☒ Ice			2	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			1	A
Pesticides (BG-500ML) (BG-1L)		☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)				☐ Ice				
						☐ Ice				
Name: Heather Schmuki Myranda Clark				Signature: 				Date: 11/12/2020		

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
☒ Yes / No

WIN Station Name: Mouth Of Mullet Creek @ Hwy 20 **Date:** 11/12/2020
WIN/Field ID: G3NW0137 **WBID:** 712 **ENR:** **Latitude:** 30.4763
County: WALTON **Org ID:** 21FLPNS **Longitude:** -86.3329
Receiving Body of Water: Choctawhatchee - St. Andrew **RQ:** 2020-11-09-30

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Heather Schmuki	x		x		
☒	Myranda Clark		x		x	x
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy
☐ Dipper	☐ Van Dorn
☒ Syringe	☐ Pole
Depth measured with: Meter	
Secchi Equipment ID:	
Collection Method	
☒ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded						Meter ID# 154179 (ProDSS)							
Photos: NO		Flow: FLOW		Tide: FALLING		Tide Times: High: Low:							
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:													
SBIO ID Numbers:													
Notes:													

Duplicate Sample

Time Zone: CEN	Time: N/A	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:			

Blank

Time Zone:	Time: N/A	Field ID: N/A	(Blank Type_DMMYYYY)
DI Source: N/A	Location: N/A		
DI Type: N/A	Equipment ID: N/A		

LIMS EVENT ID: **WIN Import ID:**
Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** (Initials/Date)
Scan/Save Field Sheets (Initials/Date) **Migrate Data to WIN:** (Initials/Date) **Verify Data In WIN:** (Initials/Date)

CALIBRATION AND VERIFICATION LOG (For SVP, pH, DO, CT, DO, CHL, and Salinity)

Meter ID: 154177 No. 000-1100-30 Project: SVP

Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. See special instructions for pH.
 (3) For Calibration, record calibrated meter reading. Do not record calibration derived data (e.g., slope, intercept).

Temperature (Quartz) 10.1372

DO	Name	Date	Time	Temp	DO	Temp	DO	Temp	DO	Temp	DO	Temp
DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO

DO Acceptance Criteria: ± 0.2 mg/L

Optical DO Acceptance Criteria: ± 0.2 mg/L

Spec.	Name	Date	Time	Temp	DO	Temp	DO	Temp	DO	Temp	DO	Temp
DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO
DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO	DO

Conductivity Acceptance Criteria: $\pm 5\%$

Spec.	Name	Date	Time	Temp	Conductivity	Temp	Conductivity	Temp	Conductivity	Temp	Conductivity	Temp
Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity
Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity

pH Acceptance Criteria: ± 0.2 pH

Temperature Acceptance Criteria: ± 0.2 °C

Spec.	Name	Date	Time	Temp	pH	Temp	pH	Temp	pH	Temp	pH	Temp
pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH
pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH

Depth Sensor Acceptance Criteria: ± 0.2 m

Spec.	Name	Date	Time	Temp	Depth	Temp	Depth	Temp	Depth	Temp	Depth	Temp
Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth
Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth

DO Meter has a depth sensor that will be used to measure total depth & sample depth (m).
 If YES, complete daily, Center & CV below and list date of last quarterly depth calibration.
 If NO, what will be used? _____

DO Meter has a depth sensor that will be used to measure total depth & sample depth (m).
 If YES, complete daily, Center & CV below and list date of last quarterly depth calibration.
 If NO, what will be used? _____

Page Four

Laboratory Wetlands Research Laboratory

Page 1 of 1

Sierpinski's relation $MB \neq MC$

Order Today

Date Time 11/28/2013 11:03

Comptons = 103 / 2020 = 1343

Signature: Florian A. Kersch Date: 11/13/2020 Page: 1303

Concepts Sample Container Jars 120010

NO. 2000-4-07-30

Contact organization: FTCP

Page 10 of 10

Address: 150 Governmental Center, Suite 308, Pensacola, FL 32503

Water examples: SW = surface water, PW = pore water, GW = ground water, FW = freshwater, MW = marine water, SW = seawater

Type codes: C = grass, G = nongrass, A =

Date of Request: 20-OCT-2020
 Created By: KING_M On: 20-OCT-2020
 Modified By: JASROTIA_P On: 20-OCT-2020
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Event Description: Mullet Creek Continuous

Send Coolers To:

Phone: 850-595-0605
 160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Michael King
 Cooler Ship EMail: michael.king@dep.state.fl.us

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 20-OCT-2020
 Biology Request Reviewed By: JASROTIA_P On: 20-OCT-2020
 Sampling Kit Required: YES Ship on: 30-OCT-2020
 Sampling Kit Shipped: YES On: 27-OCT-2020
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 09-NOV-2020
 Logged In By: SHAIK_A On: 13-NOV-2020

Send Final Report To:

160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch
 Report Notification EMail:
 Michael.King@dep.state.fl.us;Cheryl.Bunch@dep.state.fl.us

Comments: Group A: (WBID 712) Marine, Traces, Contract Lab Bacteria

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-BR-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Bromide 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-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-WI-THI	Number of Bottles: 1	Preserved With: ICE
NW-TA-FC	Template: DEFAULT	(SM 9222 D) Fecal coliforms by MF by Test America in Pensacola
Bottle Type: TEST HAS NO	Number of Bottles: 1	Preserved With: ICE
NW-UWF-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola
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: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H ₂ SO ₄
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	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-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

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