

From: [Ashton, Judy](#)
To: [Ayres, Joshua](#)
Cc: [Reaves, Shawn D](#); [Storbeck, Julia](#)
Subject: RE: RQ-2020-06-01-09 | SW-DIST-2020-08-07-01
Date: Wednesday, August 19, 2020 4:27:34 PM
Attachments: [image002.png](#)
[image003.png](#)

Hi Josh,

Yes, you are correct. Hope this is not too much of a problem. Sorry for the mistake.

Judy

From: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Sent: Wednesday, August 19, 2020 4:11 PM
To: Ashton, Judy <Judy.Ashton@dep.state.fl.us>
Cc: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>; Storbeck, Julia <Julia.Storbeck@dep.state.fl.us>
Subject: RQ-2020-06-01-09 | SW-DIST-2020-08-07-01
Importance: High

Judy -

Looks the containers were switched in the field for sites [G4SW0025](#) and [G4SW0084](#). Would look through your field note and confirm the field parameters for these site, might help us clear thing up.

Thanks



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

From: Storbeck, Julia <Julia.Storbeck@dep.state.fl.us>
Sent: Wednesday, August 19, 2020 16:01
To: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Cc: Carbone, Irina <Irina.Carbone@dep.state.fl.us>; Steinbock, Bettina <Bettina.Steinbock@dep.state.fl.us>
Subject: Sample Bottle Switch?

Hello,

Could you contact the customer about a possible bottle/label switch? I think the Field ID labels were switched prior to being received.

Field sheet SW-DIST-2020-08-07-01

Field ID: **G4SW0025** – sampled at **12:20** – field conductivity: **141.8 umhos/cm**

Field ID: **G4SW0084** – sampled at **11:45** – field conductivity: **92.0 umhos/cm**

The unacidified bottle with sample ID 2189203 has a handwritten time of **11:45** on it, but a printed label from the field says field ID **G4SW0025** (which corresponds to time **141.8 umhos/cm**). The conductivity measured in the lab was **93 umhos/cm**. The conductivity measured in the lab was confirmed.

The unacidified bottle with sample ID 2189205 has a handwritten time of **12:20** on it, but a printed label from the field says field ID **G4SW0084** (which corresponds to conductivity of **92 umhos/cm**). The conductivity measured in the lab is **143.5 umhos/cm**. The conductivity measured in the lab was confirmed.

This time written being different than the field's field ID label is the same on the acidified bottles as well.

Thanks,

Julia Storbeck

Chemist Specialist

DEAR – Chemistry Program

Florida Department of Environmental Protection

Julia.Storbeck@dep.state.fl.us

Office: 850.245.8029

Irvin, Mountain, Dowling

**Florida Department of Environmental Protection
Central Laboratory Submit^{tal} Form**

Page 1 of 2
last revised Jan 25, 2018

Customer: SW-DIST

Project ID: SMP

Requester: Judy Ashton

Collected By: JA B

Field Report Prepared By:

Sampling Agency:

Location		Field ID/WIN		Site Name		Latitude	
		G4SW0025	Irvin Lake @ Center				
WIN/S-		G4SW0025					
Latitude		Irvin Lake @ Center					
Location		Field ID/WIN		Site Name			
		G4SW0103	Mountain Lake @ Center				
WIN/S-		G4SW0103					
Latitude		Mountain Lake @ Center					
Location		Field ID/WIN		Site Name			
		G4SW0084	Dowling Lake 2				
WIN/STORE		G4SW0084					
Latitude		Dowling Lake 2					
Location		Field ID		Site Name			
			Dowling Lake 2				
WIN/STORET #							
Latitude							

Collection (comp begin or grab)		Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2)
☐ Comp ☒ Grab	Date 8/6/20	Time 1220				A
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 5.52	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C) 32.2	pH 6.83	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 141.8		
☐ dd ☐ dms	Salinity (ppt)	Comments				
Collection (comp begin or grab)		Eastern Central		Composite end Date Time		Bottle Group(s)
☐ Comp ☒ Grab	Date 8-6-20	Time 1040				A
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 4.43	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C) 31.0	pH 6.35	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 123		
☐ dd ☐ dms	Salinity (ppt) 0.06	Comments				
Collection (comp begin or grab)		Eastern Central		Composite end Date Time		Bottle Group(s)
☐ Comp ☒ Grab	Date 8-6-20	Time 1145				A
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 5.54	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C) 30.7	pH 6.30	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 92.0		
☐ dd ☐ dms	Salinity (ppt) 0.04	Comments				
Collection (comp begin or grab)		Eastern Central		Composite end Date Time		Bottle Group(s)
☐ Comp ☐ Grab	Date	Time				
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
☐ dd ☐ dms	Salinity (ppt)	Comments				

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

Field parameters switched in the field by sampler.

Parameter corrected in LIMS to match information on containers. ~~5/20~~ 8/20

RQ-2020-06-01-09

Login Checklist

Login Station ID: #4

Shipping Method: FedEx UPS | HD | GreyhoundDate/Time of Receipt: 08/07/2020 @ 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	
2.9				12		x			1278 4015 4545

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 ☒ No _____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes _____ No ☒

CONTAINER CHECK

Evidence Tape on Bottles?

Yes _____ No _____ NA ☒

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: Tyler

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: Tyler

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?

Yes _____ No _____ NA ☒ Init: Tyler

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

Coolers Unpacked/Checked by: Tyler ReynoldsDate: 08/07/2020Event contains NCRs (Y/N)? NoneEvent ID: Irvin, Mountain, Dowling
SW-DIST-2020-08-07-01 (SMP)Date Received: 07-AUG-2020 10:00

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	#4 Temp Gun EXP:11/05/2020
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	231019 EXP:11/01/2022
Chlorine Test Strips	8261 EXP:07/2021

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: _____

Request Number: RQ-2020-06-01-09

Irvin, Mountain, Dowling

Florida Department of Environmental Protection Central Laboratory Submission Form

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last revised Jan 25, 2018

Customer: SW-DIST

Project ID: SMP

Requester: Judy Ashton

Field Report Prepared By:

Collected By: JA, BP

Sampling Agency: FDEP

Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8/6/20 Time 1220		Eastern Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID		Field ID/WIN		G4SW0025		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 5.52 ☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
WIN/S		Site Name: Irvin Lake @ Center		Temp (C) 32.2		pH 6.83		Sample Depth 0.3 ☐ ft ☒ m		Sp. Conductance (umho/cm) 141.8	
Latitude		☐ dd ☐ dms		Salinity (ppt)		Comments					
Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8-6-20 Time 1040		Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID		Field ID/WIN		G4SW0103		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 4.43 ☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
WIN/S		Site Name: Mountain Lake @ Center		Temp (C) 31.0		pH 6.35		Sample Depth 0.3 ☐ ft ☒ m		Sp. Conductance (umho/cm) 123	
Latitude		☐ dd ☐ dms		Salinity (ppt) 0.06		Comments					
Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 8-6-20 Time 1145		Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID		Field ID/WIN		G4SW0084		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 5.54 ☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
WIN/STORE		Site Name: Dowling Lake 2		Temp (C) 30.7		pH 6.30		Sample Depth 0.3 ☐ ft ☒ m		Sp. Conductance (umho/cm) 92.0	
Latitude		☐ dd ☐ dms		Salinity (ppt) 0.04		Comments					
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date Time		Eastern Central		Composite end Date Time		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)					
WIN/STORE #		Temp (C)		pH		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments	

Relinquished By: J. Ashton	Date/Time: 8-6-20 1700	Shipping Method: Fed Ex	Number of Coolers Shipped: 1	Received By: TR	Date/Time: 08/07/2020 @ 10:00
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Group: A Bottle Type: P-1L # of Bottles: 3 Preservative: ICE Enter Number of Bottles Sent to Lab 3

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Group: A Bottle Type: BP-1L # of Bottles: 3 Preservative: ICE Enter Number of Bottles Sent to Lab 3

CHLSUITE-W

Group: A Bottle Type: P-500ML # of Bottles: 3 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab 3

W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Group: A Bottle Type: P-125ML # of Bottles: 3 Preservative: FILTER-ICE Enter Number of Bottles Sent to Lab 3

W-PO4-F

Date of Request: 14-JAN-2020
 Created By: ASHTON_J On: 14-JAN-2020
 Modified By: JASROTIA_P On: 19-MAY-2020
 Customer: SW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Southwest District
 Event Description: Irvin, Mountain, Dowling

Send Coolers To:

Phone: 813-470-5772
 FL Dept. of Environmental Protection
 13051 N. Telecom Parkway
 Temple Terrace, FL 33637-0926
 Attn: Judy Ashton
 Cooler Ship EMail: Judy.ashton@dep.state.fl.us

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 19-MAY-2020
 Biology Request Reviewed By: JASROTIA_P On: 19-MAY-2020
 Sampling Kit Required: YES Ship on: 29-MAY-2020
 Sampling Kit Shipped: YES On: 27-MAY-2020
 Sampling Kit Packed By: KLUG_K
 Preservatives Needed: NO
 Date to Receive Samples: 01-JUN-2020
 Logged In By: REYNOLDS_T On: 07-AUG-2020

Send Final Report To:

FL Dept. of Environmental Protection
 13051 N. Telecom Parkway
 Temple Terrace, FL 33637-0926
 Attn: Judy Ashton
 Report Notification EMail: Judy.ashton@dep.state.fl.us

Comments:

Group A: Freshwater Nutrients

Bottle Group A (Water) With 3 Samples:

Bottle Type: P-1L	Number of Bottles: 3	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	(SM 2120 B-2011) 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: 3	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: 3	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: 3	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

