

Reaves, Shawn D

From: Lee, Jessica
Sent: Tuesday, February 11, 2020 2:43 PM
To: Reaves, Shawn D; Dix, Nikki
Subject: Re: RQ-2020-02-03-17

Hi Shawn,

That is 7.98. Sorry about that. I'll try to write neater in future forms.

Jessica Lee

Get [Outlook for iOS](#)

From: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Sent: Tuesday, February 11, 2020 1:34:08 PM
To: Dix, Nikki <Nikki.Dix@dep.state.fl.us>; Lee, Jessica <Jessica.Lee@FloridaDEP.gov>
Subject: RQ-2020-02-03-17

Good afternoon,

The ph was logged as 7.58. Can you please verify the ph below

Thanks

Location		DEP GL4		☐ Com
Field ID		GTM GL4 NUT		☒ Grab
WIN/STORET #		G5NE022		Matrix (t) B
Latitude		☒ dd ☐ dms	Longitude	☒ dd ☐ dms
30.0451			-81.3351	Temp (C) 1
				Salinity (ppt) 1

Shawn D. Reaves
DEP-Lab Support
Environmental Specialist I
Office: 850-245-8082
Direct: 58082
Email: Shawn.Reaves@FloridaDEP.gov

Login Checklist

RQ- **2020 - 02 - 03 - 17**

Login Station ID: **# 3**

Shipping Method: **FedEx | UPS | HD | Greyhound**

Date/Time of Receipt: **02-11-2020 / 10:25**

Cooler Temperature*	Samples Frozen	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
2.94C				12					1278 4011 2045
3.6C				16					1278 4011 2034

*All samples received on ice unless otherwise noted. If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), received without ice, or if Evidence Seal is damaged; identify the containers in the affected cooler(s) on back of this form. HNO₃ and Formalin preserved samples do **NOT** have a temperature requirement. DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation; An NCR still is required.

Chain of Custody/ Field Sheet(s) Included? Yes **X No

Micro-Biology Overflow Chain of Custody/ FieldSheet(s) Included? Yes **X** No **X**

****Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

CONTAINER CHECK

Evidence Tape on Bottles? Yes No **X If yes, is it intact? Yes No

Caps on tight? Yes **X No **Containers intact? Yes **X** No

Sufficient Sample Volume: Yes **X No

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 "YES", list affected Field IDs and Test IDs below.

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

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 **X NA Init: **ABS/**

Coolers Unpacked/Checked by: **ABS /** Date: **02-11-2020** NCRs (Y/N)?

Event ID: **NE-DIST-2020-02-11-01** NCR #

Login Checklist

Samples with Incorrect pH Preservation

Field ID	Bottle TestID(s)	pH	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle TestID(s)

Bottles Not Intact

Field ID	Bottle TestID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle TestID(s)	Action Taken

Additional Comments:

Infrared Thermometer ID:	IR TG#3 EXP:11/05/2020
pH Test Strips 0 – 6 Lot #	2133AV EXP:05/15/2020
pH Paper 0 – 3 Lot #	220416A EXP:07/30/2020
pH Paper 0 – 13 Lot #	208717 EXP:03/31/2020
Chlorine Test Strips Lot #	8261 2021 / 07

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No x

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ If No _____

no, were samples shipped on dry ice? Yes _____ No _____

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: _____

Central Laboratory Submittal Form

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By: J. Lee

Project ID: SMP

Collected By: J. Lee

Sampling Agency: FDEP

Location DEPGR3	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/10/20 Time 10:42	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID GTMGR3NUT	Matrix (type, e.g., Salt, Fresh, etc) Salt	Diss. Oxygen 104.9	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORET # G5NE0025	Temp (C) 17.1	pH 8.09	Sample Depth 0.3	Sp. Conductance (umho/cm) 52749	
Latitude 29.9921	☒ dd ☐ dms	Longitude -81.3214	☒ dd ☐ dms	Salinity (ppt) 34.02	Comments
Location DEPGR2	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/10/20 Time 10:55	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
Field ID GTMGR2NUT	Matrix (type, e.g., Salt, Fresh, etc) Salt	Diss. Oxygen 103.2	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORET # G5NE0024	Temp (C) 17.2	pH 7.52	Sample Depth 0.3	Sp. Conductance (umho/cm) 49482	
Latitude 29.9947	☒ dd ☐ dms	Longitude -81.3261	☒ dd ☐ dms	Salinity (ppt) 32.42	Comments
Location DEPGR1	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/10/20 Time 11:10	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
Field ID GTMGR1NUT	Matrix (type, e.g., Salt, Fresh, etc) Salt	Diss. Oxygen 98.8	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORET # G5NE0023	Temp (C) 17.8	pH 7.80	Sample Depth 0.3	Sp. Conductance (umho/cm) 42862	
Latitude 30.0168	☒ dd ☐ dms	Longitude -81.3276	☒ dd ☐ dms	Salinity (ppt) 27.63	Comments
Location DEPGL4	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/10/20 Time 12:27	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
Field ID GTMGL4NUT	Matrix (type, e.g., Salt, Fresh, etc) Brackish	Diss. Oxygen 109.1	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORET # G5NE0022	Temp (C) 18.2	pH 7.58	Sample Depth 0.3	Sp. Conductance (umho/cm) 26200	
Latitude 30.0451	☒ dd ☐ dms	Longitude -81.3351	☒ dd ☐ dms	Salinity (ppt) 16.05	Comments

Relinquished By: J. Lee	Date/Time 2/10/20	Shipping Method FedEx	Number of Coolers Shipped: 2	Received By: APB	Date/Time 2/10/20/10:25
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Group: A	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	FILTER-H2SO4-ICE	Enter Number of Bottles Sent to Lab _____
	W-TKN-F					
Group: B	Bottle Type:	P-120ML-WC-THI	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	NE-ALS-ENQ					
Group: B	Bottle Type:	P-120ML-WC-THI	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	NE-ALS-FC					

Central Laboratory Submittal Form

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. Parrish

Collected By:

Field Report Prepared By:

Sampling Agency:

J. Lee
FDEP

Location DEPGL3	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/10/20 Time 12:47	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID GTM L M NUT	Matrix (type, e.g., Salt, Fresh, etc) Brackish	Diss. Oxygen 112.2	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORET # G5NE0021	Temp (C) 18.7	pH 7.85	Sample Depth 0.3	Sp. Conductance (umho/cm) 23117	
Latitude 30.08302 ☒ dd ☐ dms	Longitude -81.3429 ☒ dd ☐ dms	Salinity (ppt) 14.02	Comments		
Location DEPGL2	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2-10-20 Time 13:02	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
Field ID GTM GL2 NUT	Matrix (type, e.g., Salt, Fresh, etc) Brackish	Diss. Oxygen 104.2	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORET # G5NE0020	Temp (C) 19.4	pH 7.77	Sample Depth 0.3	Sp. Conductance (umho/cm) 16540	
Latitude 30.11614 ☒ dd ☐ dms	Longitude -81.35159 ☒ dd ☐ dms	Salinity (ppt) 9.73	Comments		
Location DEPGL1	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/10/20 Time 13:23	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
Field ID GTM GL1 NUT	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 85.0	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORET # G5NE0019	Temp (C) 20.5	pH 7.67	Sample Depth 0.3	Sp. Conductance (umho/cm) 1779	
Latitude 30.15054 ☒ dd ☐ dms	Longitude -81.36008 ☒ dd ☐ dms	Salinity (ppt) 0.90	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/STORET #	Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)	
Latitude	Longitude	Salinity (ppt)	Comments		

Relinquished By: J Lee	Date/Time 2/10/20	Shipping Method Fedex	Number of Coolers Shipped: 2	Received By: [Signature]	Date/Time 2-11-20/1625
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From sample. ABC 2-11-20

Group: A	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-BR-IC					
	W-F					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative: ICE And H2SO4		Enter Number of Bottles Sent to Lab _____
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative: FILTER-H2SO4-I CE		Enter Number of Bottles Sent to Lab _____
	W-TKN-F					
Group: B	Bottle Type:	P-120ML-WC-THI	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	NE-ALS-ENQ					
Group: B	Bottle Type:	P-120ML-WC-THI	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	NE-ALS-FC					

Date of Request: 08-JAN-2020
 Created By: PARRISH_J On: 08-JAN-2020
 Modified By: WATTS_J On: 11-FEB-2020
 Customer: NE-DIST
 Project: SMP
 Division: Office of Coastal and Aquatic Managed Areas
 District:
 Sampling Event: GTM NERR-Guana River SMP 7 site, 1FB

Send Coolers To:

Phone: 904-823-4519
 505 Guana River Rd.

 Ponte Vedra Beach, FL 322082
 Attn: Nikki Dix

Send Final Report To:

2600 Blair Stone Rd.
 MS 3560
 Tallahassee, FL 32399-2400
 Attn: Alicia Hogue

Program Module Number:
 Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 13-JAN-2020
 Biology Request Reviewed By: JASROTIA_P On: 13-JAN-2020
 Sampling Kit Required: YES Ship on: 23-JAN-2020
 Sampling Kit Shipped: YES On: 23-JAN-2020
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 03-FEB-2020
 Received By: SHAIK_A On: 11-FEB-2020

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments: Group A:(Suf.Salt) Nutrients
 Group B:(Surf.Salt) ALS ENQ&FC

Bottle Group A (Water) With 7 Samples:

Bottle Type: P-1L	Number of Bottles: 7	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/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: 7	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: 7	Preserved With: ICE And H2SO4
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-500ML	Number of Bottles: 7	Preserved With: FILTER-H2SO4-ICE
W-TKN-F	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen, dissolved, in filtered, aqueous matrices

Bottle Group B (Water) With 7 Samples:

Bottle Type: P-120ML-WC-THI	Number of Bottles: 14	Preserved With: ICE
NE-ALS-ENQ	Template: DEFAULT	(ASTM D650399) Enterococci by Enterolert/QT by ALS in Jacksonville
Bottle Type: P-120ML-WC-THI	Number of Bottles: 7	Preserved With: ICE
NE-ALS-FC	Template: DEFAULT	(SM 9222 D) Fecal coliforms by MF by ALS in Jacksonville

Bottle Group B (Water) With 4 Samples:

Bottle Type: P-500ML		Number of Bottles: 4	Preserved With: HNO3
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	
Thallium			
Bottle Type: P-500ML		Number of Bottles: 4	Preserved With: ICE And H2SO4
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: 4	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	
Bottle Type: P-1L		Number of Bottles: 4	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/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-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	

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