

From: [Ayres, Joshua](#)
To: [Reaves, Shawn D](#)
Cc: [Homann, Lisa](#); [Watts, John](#); [Sprague, Kara](#)
Subject: RE: times off in LIMS
Date: Friday, November 13, 2020 8:29:02 AM
Attachments: [Re RO-2020-11-02-44 NW-DIST-2020-11-05-01.msg](#)
[FW RO-2020-11-02-30 NE-DIST-2020-11-04-02.msg](#)
[Re RO-2020-10-19-70 NE-DIST-2020-11-04-01.msg](#)
[image001.png](#)
Importance: High

Shawn –

We got confirmation from the samplers about the time difference.

Please subtract one hour from the collection times in LIMS for all samples in these three events & add the email threads to the event files.

Thanks.



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

From: Ayres, Joshua
Sent: Thursday, November 12, 2020 13:59
To: Sprague, Kara <Kara.Sprague@floridadep.gov>
Cc: Homann, Lisa <Lisa.Homann@FloridaDEP.gov>; Watts, John <John.Watts@FloridaDEP.gov>; Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Subject: RE: times off in LIMS
Importance: High

Kara –

So.. It looks like the tablets weren't adjusted for daylight savings but the handwrite overflow COC were.

I just pulled additional containers for NE-DIST-2020-11-04-01 & NE-DIST-2020-11-04-02, they confirm the collection times listed on the overflow COCs.

The containers for NW-DIST-2020-11-05-01 don't have collection information on them for me to compare but looking at the submittal forms & pictures of overflow COC it looks like everything is 1 hr. off.
2 hrs. off in LIMS when adjusting for central time zone.

I'll have to contact the customers to get confirmation before making any corrections



RQ-2020-10-19-70

Customer: WQAP

Project ID: SMP

Collected By: Kelly McDonald, Brian Davis

Field Report Prepared By: Kelly McDonald

Sampling Agency: FDEP

Place Label Here						Comments: Microbiology sample(s) submitted to laboratory			
WIN ID/Field ID:									
		G5NE0591							
Location:		Unnamed Drain South Entrance							
Matrix: Marine						(Check one) ☒ GRAB			
Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp C (µmho)
11/3/2020	13:30 EST	7.93	112.6	23.1	8.04	0.3	0.9 ☐ VOB (S)	1.4	509

Project Name Unnamed CM		Project Number RQ-2020-10-19-70		ANALYSIS REQUESTED (Include)					
Report To J. Perry		Report CC DEP-Overflows@dep.state.fl.us		Preservative					
Company/Address 8800 Baymeadows Way W Suite 100 Jax, FL, 32256		Phone # 904-256-1700		FAX #		NUMBER OF CONTAINERS			
Sampler's Signature B. Davis		Sampler's Printed Name Brian Davis				Enter			
CLIENT SAMPLE ID G5NE0591		LAB ID		SAMPLING DATE 11/3/20		TIME 12:30		Matrix SW	
								2 1 1	



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

From: Sprague, Kara <Kara.Sprague@FloridaDEP.gov>

Sent: Thursday, November 12, 2020 12:57

To: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>Cc: Homann, Lisa <Lisa.Homann@FloridaDEP.gov>

Subject: times off in LIMS

Hey Josh,

It looks like the sampling times are an hour off for events starting sometime around 11/3.

We've found NE-DIST-2020-11-04-01, NE-DIST-2020-11-04-02, and NW-DIST-2020-11-05-01 so far.

Can you take a look?

Thanks,

Kara

Kara Sprague

Environmental Specialist II

FDEP Laboratory - Biology Program

Florida Department of Environmental Protection

Kara.Sprague@Floridadep.gov

Office: 850.245.8826

RQ-2020-10-19-70

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 11/4/2020 9:23

*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	
0.6				4		✓			12784015 7706

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: IM

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: IM

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

Yes ☐ No ☐ NA ☒ Init: IM

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

Coolers Unpacked/Checked by: IM

Date: 11/4/2020

Event contains NCRs (Y/N)? ☒

Event ID:

Continuous Monitoring Event
NE-DIST-2020-11-04-01 (SMP)

Date Received: 04-NOV-2020 09:23

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #2 exp:10/28/21
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	231019 exp: 11/1/22
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: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 11/3/2020
Customer: NE-DIST
RQ: RQ-2020-10-19-70
Collected By: Kelly McDonald, Brian Davis
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
Unnamed Drain South Entrance	 G5NE0591

RELINQUISHED BY(SIGNATURE):

DATE/TIME:

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:



Rec'd/Inspected Date:

11/4/20

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID: Desi

RQ: 2020-10-19-70

Project: Unmanned C/M

Boldly "X" this box if there are qualified data on this page.

- 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 depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 10/20

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	<u>Brian Davis</u>	<u>11/3/20</u>	<u>957</u>	<u>21.3</u>	<u>768.5</u>	<u>9.0</u>	<u>8.97</u>	<u>101.1</u>	<u>✓</u>	<u>1.06</u>	<u>P/F</u>	<u>L/F</u>
ICV			<u>959</u>	<u>21.2</u>	<u>768.5</u>	<u>9.0</u>	<u>8.97</u>	<u>101.2</u>	<u>✓</u>	<u>1.06</u>	<u>P/F</u>	<u>L/F</u>
CCV			<u>1602</u>	<u>21.4</u>	<u>767.1</u>	<u>8.9</u>	<u>8.96</u>	<u>101.3</u>	<u>✓</u>	<u>1.06</u>	<u>P/F</u>	<u>L/F</u>
CCV											<u>P/F</u>	<u>L/F</u>

DO Acceptance criteria from Table ± 0.3 mg/L. Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.
 Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	<u>Brian Davis</u>	<u>11/3/20</u>	<u>1002</u>	<u>2009028</u>	<u>9/21</u>	<u>1000</u>	<u>1000</u>	<u>P/F</u>	<u>L/F</u>
ICV			<u>1005</u>	<u>2004074</u>	<u>4/21</u>	<u>50,000</u>	<u>50,157</u>	<u>P/F</u>	<u>L/F</u>
CCV			<u>1605</u>	<u>191025A</u>	<u>11/20</u>	<u>1413</u>	<u>1409</u>	<u>P/F</u>	<u>L/F</u>
CCV								<u>P/F</u>	<u>L/F</u>

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	<u>Brian Davis</u>	<u>11/3/20</u>	<u>1009</u>	<u>2001011</u>	<u>1/22</u>	<u>7.01</u>	<u>22.6</u>	<u>7.01</u>	<u>-20.7</u>	<u>P/F</u>	<u>L/F</u>
Calibr.			<u>1013</u>	<u>2006801</u>	<u>5/22</u>	<u>4.0</u>	<u>22.6</u>	<u>4.00</u>	<u>157.4</u>	<u>P/F</u>	<u>L/F</u>
Calibr.			<u>1018</u>	<u>2002911</u>	<u>8/21</u>	<u>10.03</u>	<u>22.5</u>	<u>10.03</u>	<u>193.8</u>	<u>P/F</u>	<u>L/F</u>
ICV			<u>1020</u>	<u>2001021</u>	<u>1/22</u>	<u>7.01</u>	<u>22.6</u>	<u>7.04</u>	<u>-20.8</u>	<u>P/F</u>	<u>L/F</u>
CCV			<u>1606</u>	<u>2002911</u>	<u>8/21</u>	<u>10.03</u>	<u>21.3</u>	<u>10.15</u>	<u>-20.4</u>	<u>P/F</u>	<u>L/F</u>
CCV										<u>P/F</u>	<u>L/F</u>

pH Acceptance criteria ± 0.2 SU. mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;
 If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	<u>Brian Davis</u>	<u>11/3/20</u>	<u>1022</u>	<u>0.00</u>	<u>0.00</u>	<u>P/F</u>	<u>L/F</u>

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:



RQ-2020-10-19-70

Customer: WQAP

Project ID: SMP

Collected By: Kelly McDonald, Brian Davis

Field Report Prepared By: Kelly McDonald

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G5NE0591

Location: Unnamed Drain South Entrance

Comments: Microbiology sample(s) submitted to contract laboratory

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)
11/3/2020	13:30 EST	7.93	112.6	23.1	8.04	0.3	0.9 ☐ VOB (S)	1.4	50970	33.47

Central Lab please use top row for login purposes

EST										
-----	--	--	--	--	--	--	--	--	--	--

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 # SA0038110 Exp: 2/7/20	☒ Ice ☒ H2SO4*	☒ <2	1	A
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD Lot # Exp:	☐ Ice ☐ HNO3* ☐ <2			
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter Filter Lot # R9BA86875 Syringe Lot #	☒ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine) (P-1L)	☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☒ Ice		1	A
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			
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			
		☐ Ice			

Name:
Kelly McDonald
Brian Davis

Signature:

Date:

*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: Unnamed Drain South Entrance

Date: 11/3/2020

WIN/Field ID: G5NE0591

WBID: 2573

ENR:

Latitude: 29.6958

County: ST. JOHNS

Org ID: 21FLA

Longitude: -81.2336

Receiving Body of Water: Upper East Coast

RQ: 2020-10-19-70

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Kelly McDonald		x		x	x
☒	Brian Davis		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# DESI	
Photos: No	Flow: FLOW	Tide: FALLING	Tide Times: High: 945 Low:
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:			
SBIO ID Numbers:			
Notes:			

Duplicate Sample

Time Zone: EST	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_DDMMYYYY)
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 (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID: MOE

RQ: 2020-10-19-70

Project: Unnamed CM

Boldly "X" this box if there are qualified data on this page.

- 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 depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO FDEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Brian Davis	10/26/20	752	23.7	759.7	8.5	—	100	—	1.07	P/F	L/F
ICV			753	23.7	759.8	8.5	8.46	100	—	1.07	P/F	L/F
CCV		11/3/20	1610	21.9	765.7	8.8	8.98	102.7	—	1.07	P/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Brian Davis	10/26/20	755	200902B	9/21	1000	1000	P/F	L/F
ICV			758	200402A	4/21	50,000	50,232	P/F	L/F
CCV		11/3/20	1612	191025A	11/20	1413	1426	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Brian Davis	10/26/20	801	2001031	1/22	7.0	24.1	7.01	-31.0	P/F	L/F
Calibr.			804	2006001	5/22	4.0	24.1	4.0	146.5	P/F	L/F
Calibr.			806	2007911	8/21	10.01	24.1	9.99	-125.2	P/F	L/F
ICV			814	2001031	1/22	7.0	24.1	7.14	-31.9	P/F	L/F
CCV		11/3/20	1614	2002911	8/21	10.02	23.1	10.17	-205.9	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU, mV pH 7 Range 0 ± 50 , mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	Brian Davis	10/26/20	817	0.00	0.00	P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

[illegible]

Date of Request: 19-OCT-2020
 Created By: DAVIS_B On: 19-OCT-2020
 Modified By: JASROTIA_P On: 19-OCT-2020
 Customer: NE-DIST
 Project: SMP
 Division:
 District: Northeast District
 Event Description: Continuous Monitoring Event

Send Coolers To:

Phone: 904-256-1568
 8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Brian G Davis
 Cooler Ship EMail: Brian.G.Davis@floridadep.gov

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 19-OCT-2020
 Biology Request Reviewed By: JASROTIA_P On: 19-OCT-2020
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped:
 Sampling Kit Packed By:
 Preservatives Needed: NO
 Date to Receive Samples: 19-OCT-2020
 Logged In By: REYNOLDS_T On: 22-OCT-2020

Send Final Report To:

8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Brian G Davis
 Report Notification EMail: Brian.G.Davis@floridadep.gov

Comments: Continuous Monitoring SMP
 All Groups MARINE, do not send coolers.
 Group A: Nutrients, Bacteria (Enter + Fecal Coli)
 Group B: Nutrients, 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
NE-ALS-ENQ	Template: DEFAULT	(ASTM D650399) Enterococci by Enterolert/QT by ALS in Jacksonville
Bottle Type: P-250ML-WI-THI	Number of Bottles: 1	Preserved With: ICE
NE-ALS-FC	Template: DEFAULT	(SM 9222 D) Fecal coliforms by MF by ALS in Jacksonville
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 Type: P-125ML	Number of Bottles: 1	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

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-500ML		Number of Bottles: 1	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: 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	
Bottle Type: P-1L		Number of Bottles: 1	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: 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
NE-ALS-ENQ	Template: DEFAULT	(ASTM D650399) Enterococci by Enterolert/QT by ALS in Jacksonville	