

SMP Project

Login Protocol

The SMP project can't ([with certain exceptions](#)) us either Y or Q qualified data and would rather Receiving not login these samples. It's considered a waste of laboratory resources to analyze affected samples that will be qualified, and their data not be used by the SMP project.

The SMP project does not want "Y" qualified preserved nutrients, unpreserved nutrients, microbiology, Chlorophyll, or metals data. (I.e. preservation NCR; acid or ice).

- **Preservation Exception:** qPCR and organic samples ([They still want these data](#))
 - o Preservation NCR ("Y" qualifier) are acceptable for temperature and chlorine detections for these analyses.

The SMP project does not want "Q" qualified preserved or unpreserved nutrients data. (I.e. Out of hold time).

- **Hold Time Exception:** microbiology, qPCR, and organic samples ([They still want these data](#))
 - o Out of hold time ("Q" qualifiers) are acceptable for these analyses.

RQ-2019-07-29-45	
Printed: 10/24/2019 10:15:58 AM	
Date of Request:	10-JUL-2019
Created By:	REISTAD_N On: 10-JUL-2019
Modified By:	JASROTIA_P On: 11-JUL-2019
Customer:	SO-DIST
Project:	SMP
Division:	Division of Environmental Assessment and Restoration
District:	South District
Sampling Event:	2019 SMP : Nowhere
Send C	
Phone: 239-344	
FLDEP South D	
2295 Victoria A	
Fort Myers, FL	
Attn: Nicole Rei	

Example of SMP Project RQ

If a preservation or holding time issue is observed; notify John Watts, Curtis Musson, and Joshua Ayres.

Klug, Kyle

From: Ayres, Joshua
Sent: Monday, February 10, 2020 9:25 AM
To: Bearden, Matthew; Ashton, Judy; Linger, Michael; Parrish, Jeremy M.; GuerronOrejuela, Edgar
Cc: Lab.Receiving
Subject: RE: Coolers arriving - 25?

Importance: High

Attention All –

We just received the missing coolers from Friday, we're currently evaluating to see if anything can be salvaged. But the odds are not in our favor after 3 days.

Do you want qualified data or new kits to resample?



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

From: Watts, John <John.Watts@FloridaDEP.gov>
Sent: Monday, February 10, 2020 08:04
To: Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Cc: Ashton, Judy <Judy.Ashton@dep.state.fl.us>; Parrish, Jeremy M. <Jeremy.M.Parrish@FloridaDEP.gov>; Linger, Michael <Michael.Linger@FloridaDEP.gov>; GuerronOrejuela, Edgar <Edgar.GuerronOrejuela@dep.state.fl.us>
Subject: RE: Coolers arriving - 25?

Josh, would you notify Matt, Jeremy, Mike and Edgar when/if the expected coolers arrive today?

Tracking ID	Status	Latest activity	Scheduled	Scheduled Ship date	Shipper name
127840084556	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 Judy Ashton
127840109093	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 DAIRIN FLORES
127840109439	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 NICK BARNES
127840109510	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Mehrdad Ferhangmehr
127840110178	In transit	In transit;LEESBURG, FL	2/7/2020	10:30 AM	2/6/2020 LINDA WILINSKI
127840110215	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Andrea Wilcock
127840110373	In transit	In transit;DUNEDIN, FL	2/7/2020	10:30 AM	2/6/2020 ROBERT MCCARTY
127840110785	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Chase Conley
127840111439	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 Judy Ashton
127840111597	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 James Parnell
127840111807	At local FedEx facility	In transit;At local FedEx facility;ORLANDO, FL	2/7/2020	10:30 AM	2/6/2020 AMANDA CHASE
127840111873	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Matthew Sewell
127840112126	In transit	In transit;JACKSONVILLE, FL	2/7/2020	10:30 AM	2/6/2020 Jeremy Parrish
127840112137	In transit	In transit;JACKSONVILLE, FL	2/7/2020	10:30 AM	2/6/2020 Jeremy Parrish
127840112148	In transit	In transit;JACKSONVILLE, FL	2/7/2020	10:30 AM	2/6/2020 Jeremy Parrish
127840112192	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Julie Brader Drevenkar
127840112207	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Julie Brader Drevenkar
127840112218	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Julie Brader Drevenkar
127840112229	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Julie Brader Drevenkar
127840113729	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 Matthew Bearden
127840114265	In transit	In transit;MEMPHIS, TN	2/7/2020	10:30 AM	2/6/2020 Michael Linger
127840114438	In transit	In transit;MEMPHIS, TN	2/7/2020	10:30 AM	2/6/2020 Mike Linger
127840114714	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Jordan Skaggs
127840115353	In transit	In transit;MEMPHIS, TN	2/7/2020	10:30 AM	2/6/2020 Mike Linger
475187806817	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 EDGAR GUERRAN OREJI

John Watts
FDEP Laboratories
Environmental Administrator
245-8077

From: Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>
Sent: Monday, February 10, 2020 6:40 AM
To: Watts, John <John.Watts@FloridaDEP.gov>
Cc: Ashton, Judy <Judy.Ashton@dep.state.fl.us>
Subject: RE: Coolers arriving - 25?

Bummer...

Let us know what you can salvage when they do arrive (hopefully today).

Matthew Bearden
SW ROC

From: Watts, John <John.Watts@FloridaDEP.gov>
Sent: Friday, February 7, 2020 11:33 AM
To: Lab.Receiving <Lab.Receiving@floridadep.gov>
Cc: Ashton, Judy <Judy.Ashton@dep.state.fl.us>; Wilinski, Linda <Linda.Wilinski@flhealth.gov>; McCarty, Robert G <Robert.McCarty@flhealth.gov>; Parnell, James J. <James.J.Parnell@FloridaDEP.gov>; Parrish, Jeremy M. <Jeremy.M.Parrish@FloridaDEP.gov>; Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>; Linger, Michael <Michael.Linger@FloridaDEP.gov>; GuerronOrejuela, Edgar <Edgar.GuerronOrejuela@dep.state.fl.us>
Subject: RE: Coolers arriving - 25?

We received 12 of the 25 coolers that we expected. The FedEx driver said another flight into Tallahassee was not expected. There is a small chance that coolers will be trucked up here from mid-Florida. Not sure.

If you have samples that show in the list at bottom that they are **in Transit**, then we will likely receive them Monday.

Preserved and long hold time, no problem.

Short hold micro, unpreserved nutrients, chlorophyll, a problem.



John H. Watts

Florida Department of Environmental Protection
FDEP Laboratories
DEAR-Scientific Services Support
Environmental Administrator
John.Watts@floridadep.gov
Office: 850-245-8077

From: Watts, John <John.Watts@FloridaDEP.gov>

Sent: Friday, February 7, 2020 10:17 AM

Subject: RE: Coolers arriving - 25?



FedEx Express National Service Disruption

Friday, February 7, 2020

FedEx Express experienced substantial disruptions at the Memphis hub last night due to winter weather. Potential delays are possible for package deliveries across the U.S. with a delivery commitment of February 7, 2020. FedEx is committed to provide service to the best of our ability. Please continue to check fedex.com for updates.

John Watts
FDEP Laboratories
Environmental Administrator
245-8077

From: Watts, John

Sent: Friday, February 7, 2020 9:17 AM

Subject: RE: Coolers arriving - 25?

This may be due in part to the inclement weather we (and Memphis Hub) had yesterday. I will continue to check status. Often more coolers show up than is indicated.

John Watts
FDEP Laboratories
Environmental Administrator

From: Watts, John <John.Watts@FloridaDEP.gov>

Sent: Friday, February 7, 2020 9:08 AM

Subject: Coolers arriving - 25?

Not sure how many will actually show this morning, maybe just 10. Receiving, please ask the driver if more are arriving later today.

Tracking ID	Status	Latest activity	Scheduled	Scheduled Ship date	Shipper name
127840084556	In transit	In transit; TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 Judy Ashton
127840109093	At destination sort facility	In transit; At destination sort facility; TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 DAIRIN FLORES
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John H. Watts

Florida Department of Environmental Protection

FDEP Laboratories

DEAR-Scientific Services Support

Environmental Administrator

John.Watts@floridadep.gov

Office: 850-245-8077

Log-in Checklist

RQ- 2020-02-03-22

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 2/ 10 /20 @ 9:20

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	
1.8				12		✓			1278 4011 2148
6.1				10		✓			1278 4011 2137
0.1				10		✓			1278 4011 2126

* HNO3 and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **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 ✓ No

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

****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 ✓ If yes, is it intact? Yes No

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

**Sufficient Sample Volume: Yes ✓ No

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes ✓ No Init: kk

Chlorine detected? (One container checked per Field ID)

Yes No X Init: kk

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 ✓ No NA Init: kk

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

Coolers Unpacked/Checked by: KK Date: 2/ 10 /20

NCRs (Y/N)? Y

Event ID: St. Augustine
NE-DIST-2020-02-10-01 (SMP)
Date Received: 10-FEB-2020 09:20

NCR # 8168/8170

Log-in Checklist

Samples with Incorrect pH Preservation

Field ID	Bottle Test ID(s)	pH	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

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

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #5 EXP:11-5-20
pH Test Strips 0 – 6 Lot #	
pH Paper 0 – 3 Lot #	220416A EXP:7/30/20
pH Paper 0 – 13 Lot #	215517 EXP:6/1/20
Chlorine Test Strips Lot #	091417V EXP:9/2021

2156735
 2156136
 2156137
 2156138

KK 2-26-20

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: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Strategic Monitoring Program

CHAIN OF CUSTODY FORMDate: 02-06-2020Customer: 21 FLARQ - 2020-02-03-22Number of Coolers Shipped: 3Collected By: K. Appleby / A. KalmbacherSampling Agency: FDEP / NE ROCProject ID: St. Augustine

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB.

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

WIN ID/Field ID:



27010061

RED HOUSE BRANCH @
WOODLAWN

WIN ID/Field ID:



27010138

SALT RUN OFFSHORE FROM LIGHTHOUSE

WIN ID/Field ID:



27010059

RED HOUSE BRANCH @
LEWIS SPEEDWAYLocation: **MOULTRIE CREEK @ US 1**

FIELD ID:



FB 02062020

WIN ID/Field ID:



27010055

MOULTRIE CREEK @ US 1

WIN ID/Field ID:



27010076

RED HOUSE BRANCH @
HEFFERON RDLocation: **MOULTRIE CREEK @ US 1**

Field ID:



27010055 DUP

Location: **MOULTRIE CREEK @ US 1**

FIELD ID:



FB 02062020

WIN ID:



27010055

RELINQUISHED BY (SIGNATURE):

DATE/TIME:

2/6/2020☒ EST
☐ CST**THIS SECTION IS TO BE COMPLETED BY THE LABORATORY**

Received/ Inspected By (signature):

Received/ Inspected Date: 2-10-20Received/ Inspected Time: 9:20☒ EST
☐ CSTSample Receipt Temperature (Degrees Centigrade): 1.8/6.1/0.1



RQ-2020-02-03-22

Customer: 21 FLA

Project ID: St. Augustine

Collected By: K. Appleby / A. Kalmbacher

Field Report Prepared By: A. Kalmbacher

Sampling Agency: FDEP / NEROC

WIN ID/Field ID:



27010059

RED HOUSE BRANCH @
LEWIS SPEEDWAY

Comments:

Sample not
filtered within
15 minSULFURIC
ACID <61%

DANGER

7864-55-8

7732-18-0

THERMO FISHER SCIENTIFIC

520 NORTH MAIN STREET

MAMAR, OK 74354

1-800-665-2711

Contains: 1:1 H2SO4

May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fumes/mist/vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing before use. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse copiously with water for several minutes. Rinse. Store locked up. Store in corrosive resistant container with a suitable inner liner.

Contains: 1:1 H2SO4
Lot No: SA9301030
Expires: 10/28/20
See Safety Data Sheet (SDS)

Matrix: Fresh 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 _h)
02-06 2020	0935 EST / CST	6.6	70.6	18.5	7.43	0.20	0.41 VOB (S)	0.41	636	0.31

Cental Lab please use top row for login purposes

	EST / CST									

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 # SA9301030 Exp: 10/2020	☒ 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 # R9MA87336 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-CL-IC / ☒ W-COLOR / ☒ W-SO4-IC / ☒ W-TDS	☒ Ice		1	A
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 sent to ALS	A
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes	☐ 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			

Name:

A. Kalmbacher

Signature:

A. Kalmbacher

Date:

02-06-2020

*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: RED HOUSE BR @ LEWIS SPEEDWAY

Date: 02-06-2020

(mm/dd/yyyy)

WIN/ Field ID: 27010059

WBID: 2472

Latitude: 29.929316

(Decimal Degrees)

County: St. Johns

ORG ID: 21 FLA

Longitude: -81.342719

Receiving Body of Water: San Sebastian River

RQ-2020- 02-03-22

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Amy Kalmbacher	☒	☒	☒	☒	☒
Kimberly Appleby	☒	☒	☒	☒	☒
	☒	☒	☒	☒	☒
	☒	☒	☒	☒	☒
	☒	☒	☒	☒	☒

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID <u>Ortho kit #44</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☒ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded		Meter ID# <u>YSI ProDSS</u>	
Photos: Yes / <u>No</u>	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising / <u>Falling</u> / Slack/ NA	Tide Times: High Low
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:			
SBIO ID Numbers:	SBIO-ID:	HA-ID:	RPS-ID: Macrophyte-ID: LIMS#:
Notes:			

Duplicate Sample

Time Zone: EST CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: EST CEN Time: _____	Field ID: _____ (Blank Type_DDMMYYYY)
DI Source: _____	Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: _____

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)



RQ-2020-02-03-22

Customer: 21 FLA

Project ID: St. Augustine

Collected By: Kim Appleby + Amy Kalmbacher

Field Report Prepared By: Kim Appleby

Sampling Agency: FDEP / NEROC

3 of 8

WIN ID/Field ID:



27010076

RED HOUSE BRANCH @
HEFFERON RD

Comments:

Matrix: Fresh 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)
2/6/20	1015	6.80	75.5	18.7	7.43	0.15	0.3	0.3	615	0.30
EST / CST		☒ VOB (S)								

Cental Lab please use top row for login purposes

EST / CST										
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Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	AK- ☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP	AK- ☒ Ice ☒ H2SO4	☒ <2 AK		
	Lot #	Exp:			
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			
	Filter Lot #				
	Syringe Lot #				
Chlorophyll (BP-1L)	☐ CHLSUITE-W	☐ Ice			
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			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ 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 ☐ See Notes				
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	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)				

Name:

Kimberly Appleby

Signature:

Kim Appleby

Date:

2/6/2020

*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: RED HOUSE BR @ HEFFERON RD

Date: 02-06-2020
(mm/dd/yyyy)

WIN/ Field ID: 27010076

WBID: 2472

Latitude: 29.927027

(Decimal Degrees)

County: St. Johns

ORG ID: 21 FLA

Longitude: -81.348166

Receiving Body of Water: San Sebastian River

RQ-2020- 02-03-22

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Amy Kalmbacher					
Kimberly Appleby					

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID <u>Ortho kit 44</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☒ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded		Meter ID# <u>Desi</u>	
Photos: Yes / <u>No</u>	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Times: High Low
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:			
SBIO ID Numbers:	SBIO-ID:	HA-ID:	RPS-ID: Macrophyte-ID: LIMS#:
Notes:			

Duplicate Sample

Time Zone: EST CEN Time: _____ Field ID: _____ (WIN ID_DUP)

WIN DMT Activity ID: _____

Blank

Time Zone: EST CEN Time: _____ Field ID: _____ (Blank Type_DMMYYYY)

DI Source: _____ Location: _____

☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank Equipment ID: _____

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)



RQ-2020- 02-03-22
 Customer: 21 FLA
 Project ID: St. Augustine

Collected By: R. Appleby & A. Kalmbacher
 Field Report Prepared By: J Kim Appleby
 Sampling Agency: FDEP / NEROC

4 of 8

WIN ID/Field ID:



27010061

RED HOUSE BRANCH @
WOODLAWN

Comments:

Matrix: Fresh / 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)
2/6/20	1050	3.99	43.2	19.1	7.22	0.14	0.28	0.28	701	0.34
EST / CST							☒ VOB (S)			

Cental Lab please use top row for login purposes

EST / CST										

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 # _____ Exp: _____	☐ Ice ☐ H2SO4*	☐ <2		
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 # _____ Syringe _____ Lot # _____	☐ Ice			
Chlorophyll (BP-1L)	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / 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 sent to ALS	D
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
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			

Name: Amy Kalmbacher Signature: A. Kalmbacher Date: 02-06-2020

*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: RED HOUSE BRANCH @ WOODLAWN

Date: 02-06-2020
(mm/dd/yyyy)

WIN/ Field ID: 27010061

WBID: 2472

Latitude: 29.921191
(Decimal Degrees)

County: St. Johns

ORG ID: 21 FLA

Longitude: -81.360813

Receiving Body of Water: San Sebastian River

RQ-2020- 02-03-22

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Amy Kalmbacher	☒	☒	☒	☒	☒
Kimberly Appleby	☒	☒	☒	☒	☒
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID <u>ortho kit 44</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☒ Other <u>Bridge</u>	☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded		Meter ID# <u>Desi</u>	
Photos: Yes / <u>No</u>	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising/ Falling/ Slack/ <u>NA</u>	Tide Times: High Low
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:			
SBIO ID Numbers:	SBIO-ID:	HA-ID:	RPS-ID: Macrophyte-ID: LIMS#:
Notes:			

Duplicate Sample

Time Zone: EST CEN Time: _____ Field ID: _____ (WIN ID_DUP)

WIN DMT Activity ID: _____

Blank

Time Zone: EST CEN Time: _____ Field ID: _____ (Blank Type_DDMMYY)
DI Source: _____ Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank Equipment ID: _____

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)



RQ-2020- 02-03-22

Customer: 21 FLA

Project ID: St. Augustine

Collected By: K. Appleby & J. A. Kalmbacher

Field Report Prepared By: Kim Appleby

Sampling Agency: FDEP / NEROC

WIN ID/Field ID:



27010138

SALT RUN OFFSHORE FROM LIGHTHOUSE

Comments:

Sample not
filtered within
15 min.SULFURIC
ACID <51%DANGER
7584-89-9
7782-18-9THERMO FISHER SCIENTIFIC
520 NORTH MAIN STREET
MIAMI, OK 74354
1-800-664-2711

Contains: 1:1 H2SO4

May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fumes/vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. When contaminated clothing before reuse. IF SWALLOWED, rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Rinsing: Store locked up. Store in corrosive resistant container with a resistant inner liner.

Contains: 1:1 H2SO4
Lot No: SA9301030
Expires: 10/28/20
See Safety Data Sheet (SDS)

Matrix: Fresh / 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 _h)
02-06-2020	1125 EST / CST	7.7	98.5	17.4	7.83	0.3	1.2 ☐ VOB (S)	1.96	50,272	33.0

Cental Lab please use top row for login purposes

1128 EST / CST	7.8	100	17.4	7.82	1.50				50,292	33.0
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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 # SA9301030 Exp: 10/2020	☒ Ice ☐ H2SO4*	☒ <2	1	L
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 # R9MA87336 Syringe Lot #	☒ Ice		1	L
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	L
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-BR-IC / W-F / W-TSS / TURBIDITY	☒ Ice		1	L
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		3 → Sent to ALS	L
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
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			

Name:

Kimberly Appleby

Signature:

K Appleby

Date:

2/6/20

*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: SALT RUN OFFSHORE FROM LIGHTHOUSE

Date: 02-06-2020
(mm/dd/yyyy)

WIN/ Field ID: 27010138

WBID: 2502C

Latitude: 29.886

(Decimal Degrees)

County: St. Johns

ORG ID: 21 FLA

Longitude: -81.285333

Receiving Body of Water: ICW/ Atlantic Ocean

RQ-2020- 02-03-22

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Amy Kalmbacher	☒	☒	☒	☒	☒
Kimberly Appleby	☒	☒	☒	☒	☒
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☒ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID <u>ortho kit 44</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☒ Other <u>Dock</u>	☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded		Meter ID# <u>Des.</u>	
Photos: Yes ☒ No ☐	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising/ <u>Falling</u> / Slack/ NA	Tide Times: High Low
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:			
SBIO ID Numbers:	SBIO-ID:	HA-ID:	RPS-ID: Macrophyte-ID: LIMS#:
Notes:			

Duplicate Sample

Time Zone: EST CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: EST CEN Time: _____	Field ID: _____ (Blank Type_DMMYYYY)
DI Source: _____	Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: _____

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)



RQ-2020-02-03-22
Customer: 21 FLA
Project ID: St. Augustine

Collected By: K. Appleby / A. Kalmbacher
Field Report Prepared By: A. Kalmbacher
Sampling Agency: FDEP / NERO

WIN ID/Field ID:



27010055

MOULTRIE CREEK @ US 1

Comments:

Not filtered
within 15 minutes

SULFURIC ACID <51%
DANGER
7504-00-9
7732-18-9
Contains: 1:1 H2SO4
May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fumes/vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse. IF SWALLOWED: rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove victim to fresh air and rest in a position comfortable for breathing. IF IN contact with water for several minutes.

Contains: 1:1 H2SO4
Lot No.: SAs301030
Expires: 10/28/20
See Safety Data Sheet (SDS)

Matrix: Fresh 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 (PPTth)
02-06 2020	1230 1125 EST / CST	6.6	74.0	19.0	7.33	0.3	Too swift to read	0.94	11463	6.54

Cental Lab please use top row for login purposes

EST / CST										
-----------	--	--	--	--	--	--	--	--	--	--

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 # 519301030 Exp: 10/28/20	☒ Ice ☒ H2SO4*	☒ <2	1	B
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☒ W-HARD Lot # NA9189080 Exp: 7/8/20	☒ Ice ☒ HNO3*	☒ <2	1	B
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter Filter Lot # R9MA87336 Syringe Lot #	☒ Ice		1	B
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	B
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-C / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine) (P-1L)	☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☒ Ice		1	B
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 SENT TO ALS	B
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
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			

Name: A. Kalmbacher

Signature: A. Kalmbacher

NITRIC ACID 20-70%
DANGER
7504-00-9
7732-18-9
Contains: 1:1 HNO3
May be intensely fire, oxidizer. May be corrosive to metals. Causes severe skin burns and eye damage. Keep away from heat/sunlight/flame. Do not breathe fumes/vapors. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove victim to fresh air and rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Corrosive to the respiratory tract.

Contains: 1:1 HNO3
Lot No.: NA0169080
Expires: 07/08/20
See Safety Data Sheet (SDS)

Date: 02-06-2020

*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: MOULTRIE CR @ US 1

Date: 02-06-2020

(mm/dd/yyyy)

WIN/ Field ID: 27010055

WBID: 2493B

Latitude: 29.821908

(Decimal Degrees)

County: St. Johns

ORG ID: 21 FLA

Longitude: -81.322447

Receiving Body of Water: ICW

RQ-2020- 02-03-22

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Amy Kalmbacher					
Kimberly Appleby					

Sampling Equipment	
☒ Sample Container	☒ Van Dorn
☐ Syringe	☐ Pole
☐ Dipper	☐ Other
Depth Measured with <u>meter</u>	
Equipment ID <u>ortho kit 44</u>	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☒ Other <u>Bridge</u>	☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded		Meter ID# <u>ysi Pro DSS Desi</u>	
Photos: Yes <u>No</u>	Flow: No Flow / <u>Flowing</u> / NA	Tide: Rising / <u>Falling</u> / Slack/ NA	Tide Times: High Low
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:			
SBIO ID Numbers:	SBIO-ID:	HA-ID:	RPS-ID:
Macrophyte-ID:		LIMS#:	
Notes:			

Duplicate Sample

Time Zone: EST CEN Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: EST CEN Time: _____	Field ID: _____ (Blank Type_DDMYYYY)
DI Source: _____	Location: _____
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Equipment ID: _____

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)



RQ-2020- 02-03-22
Customer: 21-FLA
Project ID: St. Augustine

Collected By: K. Appleby / A. Kalmbacher
Field Report Prepared By: A. Kalmbacher
Sampling Agency: FDEP / NE ROC

7 of 8

DUPLICATE SAMPLE

27010055 DUP

Field ID:



Location: MOULTRIE CREEK @ US 1

WIN ID:



27010055

Comments:

Sample not filtered within 15 min.

Matrix: Fresh ☒ Marine

(Check one)

☒ GRAB

☐ COMPOSITE

Date

Time

02-06-2020

1235
H30

(EST) CST

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	B
	Lot # SA9301030 Exp: 10/2020				
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☒ W-HARD	☒ Ice ☒ HNO3* ☒ <2		1	B
	Lot # NA9189080 Exp: 07/2020				
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice		1	B
	Filter Lot # R9MA87336 Syringe Lot #				
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	B
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY / ☐ W-CHC / ☐ W-COLOR / ☐ W-SO4-IC / ☐ W-TDS	☐ Ice			
Physical/Aggregate (Marine) (P-1L)	☒ Alkalinity / ☐ W-BR-IC / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY	☒ Ice		1	B
Microbiology (Contract Lab Bottle)	☐ E Coli ☐ F Coli ☒ Enterococci	☒ Ice		2 - sent to ALS	B
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes	☐ 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			
Name: Amy Kalmbacher	Signature: [Signature]	Date: 02-06-2020			

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



RQ-2020- 02-03-22
Customer: 21FLA
Project ID: St. Augustine

Collected By: K. Appleby / A. Kalmbacher
Field Report Prepared By: A. Kalmbacher
Sampling Agency: FDEP / NE ROC

BLANK

Location: **MOULTRIE CREEK @ US 1**

FIELD ID:



FB 02062020

Comments:

Sample not filtered within 15 min

Matrix: ☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equip Blank

(Check one) ☐ COMPOSITE ☒ GRAB

Date

Time

DI Source: NE ROC LAB

02-06-2020

1240
10:40
EST / CT

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		<u>1</u>	<u>E</u>
	Lot # <u>SA9301030</u> Exp: <u>10/2020</u>				
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☒ W-HARD	☒ Ice ☒ HNO3* ☒ <2		<u>1</u>	<u>E</u>
	Lot # <u>NA9189080</u> Exp: <u>7/2020</u>				
Filtered Nutrients (P125ML)	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☒ Ice		<u>1</u>	<u>E</u>
	Filter Lot # <u>R9MA87336</u>				
	Syringe Lot #				
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine) (P-1L)	☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☒ Ice		<u>1</u>	<u>E</u>
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)				

Name: Amy Kalmbacher

Signature: A. Kalmbacher

Date: 02-06-2020

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



SR #
ALS Contact

9143 Philips Highway, Suite 200 Jacksonville, FL 32256 / Ph(904) 739-2277 / FAX (904) 739-2011

Page _____ of _____

[illegible]

Date of Request: 09-JAN-2020
 Created By: PARRISH_J On: 09-JAN-2020
 Modified By: JASROTIA_P On: 28-JAN-2020
 Customer: NE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northeast District
 Sampling Event: St. Augustine

Send Coolers To:

Phone: 904-256-1693
 8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish

Send Final Report To:

8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish

Program Module Number:

Priority: 3

Event Status: A

Criminal Investigation: NO

Chemistry Request Reviewed By: WATTS_J On: 28-JAN-2020

Biology Request Reviewed By: JASROTIA_P On: 28-JAN-2020

Sampling Kit Required: NO Ship on:

Sampling Kit Shipped: YES On: 23-JAN-2020

Sampling Kit Packed By: REYNOLDS_T

Preservatives Needed: NO

Date to Receive Samples: 03-FEB-2020

Received By:

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments: Group A: (Surf-Fresh)Nutrients, pesticides, Bacteria
 Group B: (Surf-Salt) Nutrients, Metals, Bacteria
 Group C:(Surf.-Salt) Nutrients, Bacteria
 Group D: (Surf.Fresh) Bacteria
 Group E:(Blank)Nuts,Metals,

NE-ALS-ECQ

NE-ALS-ENQ

NE-ALS-FC

Packing Notes:

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	(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
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-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert/QT by ALS in Jacksonville
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: CH ₂ ClCOOH Pre-Preserved
W-CARB-AA	Template: DEFAULT	(EPA 8321B) Carbamates in water matrices by HPLC/MS/MS
Bottle Type: BG-500ML	Number of Bottles: 4	Preserved With: ICE

Bottle Group A (Water) With 1 Samples:

Bottle Type: BG-500ML	Number of Bottles: 4	Preserved With: ICE
W-CT-CI-R	Template: DEFAULT	(EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Template: DEFAULT	(EPA 8270E) Organochlorine pesticides in water matrices by GC/MS-SIM
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 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: BG-1L	Number of Bottles: 4	Preserved With: ICE
W-PSNP-TQ	Template:	(EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group B (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	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: 2	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: 2	Preserved With: ICE
NE-ALS-ENQ	Template: DEFAULT	(ASTM D650399) Enterococci by Enterolert/QT by ALS in Jacksonville
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: HNO3
W-ICP	Template: S-METALS	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Iron		
Manganese		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Aluminum		
Antimony		
Arsenic		
Cadmium		
Chromium		
Copper		
Lead		
Nickel		
Selenium		
Silver		
Thallium		
Bottle Type: P-500ML	Number of Bottles: 2	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: 2	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 Group C (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
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Bottle Group C (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 D (Water) With 2 Samples:

Bottle Type: P-250ML-WI-THI	Number of Bottles: 2	Preserved With: ICE
NE-ALS-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert/QT by ALS in Jacksonville

Bottle Group E (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: P-500ML	Number of Bottles: 1	Preserved With: HNO ₃
W-ICP	Template: S-METALS	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Iron		
Manganese		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Aluminum		
Antimony		
Arsenic		
Cadmium		
Chromium		
Copper		
Lead		
Nickel		
Selenium		
Silver		
Thallium		
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

Bottle Group E (Water) With 1 Samples:

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.

Cooler Packing Worksheet for Request: RQ-2020-02-03-22

St. Augustine

Ship Cooler On: 1/23/2020

Customer/Project: NE-DIST/SMP

Assigned To: REYNOLDS_T

Requester: Jeremy M. Parrish

Priority: 3

904-256-1693
8800 Baymeadows Way West
Suite 100
Jacksonville, FL 32256
Attn: Jeremy Parrish

Please return
packing list with
sample submittal
forms.

Comments:

No preservatives needed.

Group A: (Surf-Fresh)Nutrients, pesticides, Bacteria

Group B: (Surf-Salt) Nutrients, Metals, Bacteria

Group C: (Surf.-Salt) Nutrients, Bacteria

Group D: (Surf.Fresh) Bacteria

Group E: (Blank)Nuts, Metals,

NE-ALS-ECQ

NE-ALS-ENQ

NE-ALS-FC

Packing Notes:

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00075290

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm (not valid for NPDES monitoring)

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1263740

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-120ML-WC-THI

Qty: 2 Preservation: ICE

Lot # 8L05

Description: 120 ml Sterilized White Cap with tablet

Analysis

NE-ALS-ECQ

Description

E. coli by Colilert/QT by ALS in Jacksonville

Container ID: BG-500ML

Qty: 1 Preservation: CH₂ClCOOH Pre-Preserved

Lot # 0007

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CARB-AA

Description

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 4 Preservation: ICE

Lot # 0007

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-Cl-R

W-PCL-SQ-R

Description

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 0007

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 1 Preservation: ICE And H₂SO₄

Lot # 00075270

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

Description

W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: FILTER-ICE

Lot # 00075961

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 0007

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group: B

of Sites: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00075290

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-BR-IC

W-F

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Bromide in aqueous matrices

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1263740

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-120ML-WC-THI

Qty: 4

Preservation: ICE

Lot # 8L05

Description: 120 ml Sterilized White Cap with tablet

Analysis

NE-ALS-ENQ

Description

Enterococci by Enterolert/QT by ALS in Jacksonville

Container ID: P-500ML

Qty: 2

Preservation: HNO3

Lot # 00075270

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 2

Preservation: ICE And H2SO4

Lot # 00075270

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 2

Preservation: FILTER-ICE

Lot # 00075290

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: C# of Sites: 1

Container ID: P-1L

Qty: 1

Preservation: ICE

Lot # 00075290

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

W-BR-IC
W-F
W-SO4-IC
W-TSS

Bromide in aqueous matrices
Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
Sulfate in aqueous matrices
Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1263740

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-120ML-WC-THI

Qty: 2 Preservation: ICE

Lot # 8L05

Description: 120 ml Sterilized White Cap with tablet

Analysis

NE-ALS-ENQ

Description

Enterococci by Enterolert/QT by ALS in Jacksonville

Container ID: P-120ML-WC-THI

Qty: 1 Preservation: ICE

Lot # 8L05

Description: 120 ml Sterilized White Cap with tablet

Analysis

NE-ALS-FC

Description

Fecal coliforms by MF by ALS in Jacksonville

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00075270

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

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

Description

Ammonia in aqueous matrices as mg N/L
Nitrite/Nitrate in aqueous matrices as mg N/L
Total Phosphorus in aqueous matrices as mg P/L
Total Kjeldahl Nitrogen in aqueous matrices
Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: FILTER-ICE

Lot # 00075961

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: D**# of Sites: 2**

Container ID: P-120ML-WC-THI

Qty: 4

Preservation: ICE

Lot # 8605

Description: 120 ml Sterilized White Cap with tablet

Analysis

NE-ALS-ECQ

Description

E. coli by Colilert/QT by ALS in Jacksonville

Bottle Group: E**# of Sites: 1**

Container ID: P-1L

Qty: 1

Preservation: ICE

Lot # 00075290

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-BR-IC

W-F

W-TSS

DescriptionAlkalinity in aqueous matrices as mg CaCO₃/L

Turbidity in aqueous matrices

Bromide in aqueous matrices

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: P-500ML

Qty: 1

Preservation: HNO₃Lot # 00075270

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1

Preservation: ICE And H₂SO₄Lot # 00075270

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

AnalysisW-NH₃W-NO₂NO₃

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: FILTER-ICE

Lot # 00075961

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: Tyler R

Number of Coolers: 3

Date: 01/23/20

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2020-02-03-22