

Login Checklist

RQ- **2021 - 07 - 19 - 28**

Login Station ID: **# 3**

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

Date/Time of Receipt: **07-21-2021 / 09:25**

*Cooler Temperature	Samples Frozen?	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
2.2c				5		X			9293 8013 4022

COOLER CHECK

*All samples received on ice unless otherwise noted. HNO3 and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# _____
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# _____
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# _____
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# _____

Chain of Custody/ Field Sheet(s) Included?

Yes **X** No _____

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

Yes **x** No **XX ABS**

CONTAINER CHECK

Evidence Tape on Bottles?

Yes _____ No _____ NA **X**

Evidence Tape intact? Yes _____ No _____

If Criminal, photographs taken?

Yes _____ No _____

Containers intact? Yes **X** No _____

Caps on tight?

Yes **X** No _____

Sufficient Sample Volume:

Yes **X** No _____

If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# _____

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes **x** No _____ Init: **ABS /**

Chlorine detected? (One container checked per Field ID)

Yes _____ No **x** Init: **ABS /**

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# _____

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH< 2.0?

Yes **X** No _____ NA _____ Init: **ABS /**

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

Yes _____ No _____ NA **x** Init: **ABS /**

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

Coolers Unpacked/Checked by: **ABS /**

Date: **07-21-2021**

Event contains NCRs (Y/N)? **n**

Event ID:

NE - DIST - 2021 - 07 - 21 - 0103

Handwritten signature

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IRTG # 3 EXP:10/28/2021
pH Test Strips 0 – 6	Lot # 232518V EXP:NOV 30 2021
pH Paper 0 – 3	N/A
pH Paper 0 – 13	Lot # 231019 EXP:NOV 1 2022
Chlorine Test Strips	0261 2023 / 05

ENCORE SAMPLES

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

Were Encore samples received? Yes _____ Init: ABS

Date and time placed in freezer _____

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

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

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

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check(W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 7/20/2021
Customer: NE-DIST
RQ: RQ-2021-07-19-28

Collected By: Jeremy Parrish, Kimberly Appleby
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

Delivery Method: FedEx

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

Site Location	Field ID/WIN ID
Tolomato River 800 m N of Bridge	 G5NE0601

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 7/20/2021
1600EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: A.SHAIK

Rec'd/Inspected Date: 07-21-2021

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

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

Meter ID: YSI Bruce

RQ: 2021-07-19-28

Project: Tolomuto CM Smp

2021-07-19-28 SMP BMAP & Mirema

- 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 7/8/21

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>J Parrish</u>	<u>7/20/21</u>	<u>730</u>	<u>18.6</u>	<u>761.5</u>	<u>9.4</u>	<u>9.40</u>	<u>100.2</u>	<u>-</u>	<u>1.04</u>	<u>(P) F</u>	<u>(L) F</u>
ICV	<u>J</u>	<u>7/20/21</u>	<u>732</u>	<u>18.6</u>	<u>761.5</u>	<u>9.4</u>	<u>9.42</u>	<u>100.2</u>	<u>-</u>	<u>1.04</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>J Parrish</u>	<u>7/20/21</u>	<u>1351</u>	<u>22.6</u>	<u>760.7</u>	<u>8.7</u>	<u>8.69</u>	<u>100.6</u>	<u>-</u>	<u>-</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 #	Explr. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	<u>J Parrish</u>	<u>7/20/21</u>	<u>733</u>	<u>210426B</u>	<u>5/22</u>	<u>1000</u>	<u>1000</u>	<u>(P) F</u>	<u>(L) F</u>
ICV	<u>J</u>	<u>7/20/21</u>	<u>734</u>	<u>210426A</u>	<u>5/22</u>	<u>100</u>	<u>101.8</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>J Parrish</u>	<u>7/20/21</u>	<u>1352</u>	<u>210426B</u>	<u>5/22</u>	<u>50000</u>	<u>49672</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 #	Explr. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	<u>J Parrish</u>	<u>7/20/21</u>	<u>736</u>	<u>2012E39</u>	<u>12/22</u>	<u>7</u>	<u>18.8</u>	<u>7.00</u>	<u>-37.8</u>	<u>(P) F</u>	<u>(L) F</u>
Calibr.	<u>J</u>	<u>7/20/21</u>	<u>737</u>	<u>210365G</u>	<u>3/23</u>	<u>4</u>	<u>18.4</u>	<u>4.00</u>	<u>140.5</u>	<u>(P) F</u>	<u>(L) F</u>
Calibr.	<u>J</u>	<u>7/20/21</u>	<u>738</u>	<u>2103653</u>	<u>9/22</u>	<u>10</u>	<u>18.7</u>	<u>10.00</u>	<u>-198.8</u>	<u>(P) F</u>	<u>(L) F</u>
ICV	<u>J</u>	<u>7/20/21</u>	<u>739</u>	<u>2103659</u>	<u>3/23</u>	<u>4</u>	<u>18.6</u>	<u>3.99</u>	<u>138.7</u>	<u>(P) F</u>	<u>(L) F</u>
CCV	<u>J</u>	<u>7/20/21</u>	<u>1355</u>	<u>2103653</u>	<u>9/22</u>	<u>10.0</u>	<u>19.8</u>	<u>10.05</u>	<u>-200.9</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 10 161, slope from 4 to 7 179.8 (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: 5/17/21

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>J Parrish</u>	<u>7/20/21</u>	<u>741</u>	<u>0.00</u>	<u>1.00</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:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Tolomato River 800 m N of Bridge

Date: 7/20/2021

WIN/Field ID: G5NE0601

WBID: 236311

ENR: ENRT1

Latitude: 30.14

County: ST. JOHNS

Org ID: 21FLA

Longitude: -81.39

Receiving Body of Water: Upper East Coast

RQ- 2021-07-19-28

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Jeremy Parrish		☒	☒	☒	☒
☒	Kimberly Appleby	☒		☒		
☐						
☐						

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#

BRUCE

Photos: No

Flow: FLOW

Tide: FALLING

Tide Times:

High: 740

Low: 1300

Biological Samples Collected:

☒

None

☐ HA

☐ SCI

☐ RPS

☐ Algae ID

☐ LVS

☐ LVI

Other:

SBIO ID Numbers:

Notes:

WEATHER: 80S, SUNNY

Duplicate Sample

Time Zone: EST

Time:

Field ID: N/A

(WIN ID_DUP)

WIN DMT Activity ID:

Blank

Time Zone:

Time:

Field ID:

(Blank Type_DDM/YYYY)

DI Source:

Location:

DI Type:

Equipment ID:

DI Container (Name/ID):

DI Container Type:

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-2021-07-19-28

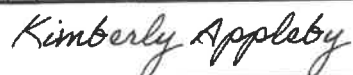
Customer: WQAP

Project ID: SMP

Collected By: Jeremy Parrish, Kimberly Appleby

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

Place Label Here WIN ID/Field ID:  G5NE0601 Location: Tolomato River 800 m N of Bridge						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)	
7/20/2021	900 EST	3.57	50.6	30.5	7.01	0.3	0.45 ☐ VOB (S)	4	18381	10.8	
	902 EST	2.76	39.5	30.5	6.99	3.5			21435	12.77	
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group	
Preserved Nutrients (P-500ML)		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☐ H2SO4*		☒ <2	1	A	
		Lot #	SA0353110		Exp:	1/11/22					
Metals (P-500ML)		☒ W-ICPMS ☒ W-ICP ☐ W-HARD				☒ Ice ☒ HNO3*		☒ <2	1	A	
		Lot #	NA1105100		Exp:	6/7/22					
Filtered Nutrients (P125ML)		☒ W-P04-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A	
		Filter Lot #	RONB35407								
		Syringe Lot #									
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					
Physical/Aggregate (Marine) (P-1L)		☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☒ Ice			1	A	
Macroinvertebrates (PJ-2L)		☐ MI-FW-QLDC		Formalin Lot #		☐ Formalin					
Periphyton (PT-50ML)		☐ ALGAE-ID				☐ Ice					
Microbiology (Contract Lab Bottle)		☐ E Coli ☐ F Coli ☒ Enterococci ☒ Contract Lab				☒ Ice			1	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		WE8321-MS		W-PSNP-TQ		W-CT-CL-R		☐ Ice	
Phytoplankton/Periphyton		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		DTY-QN-C		PKD-QN-BV		☐ Ice	
Name: Jeremy Parrish Kimberly Appleby						Signature: 			Date: 7/20/21		

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR # _____
ALS Contact: Mandy Sullivan
Page 1 of 1

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

ALS Environmental

Client Name FDEP-NE ROC		Project Number RO-2021-07-19-28		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Report To Dep-Overflowmicro@dep.state.fl.us		Report CC To lornato CM		Preservative Key 0. None 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. ICE																	
Company/Address 8800 Baymeadows Way W Jacksonville, FL 32256		FAX #		REMARKS																	
Phone # 904-256-1700		Sampler's Signature <i>[Signature]</i>		Sampler's Printed Name K.m. Appleby																	
CLIENT SAMPLE ID GSENE0602	LAB ID	SAMPLING DATE 7/21/21	SAMPLING TIME 900	MATRIX SW	REMARKS Salt																
<table border="1"> <thead> <tr> <th>ANALYSIS REQUESTED</th> <th>TURNAROUND REQUIREMENTS</th> <th>REPORT REQUIREMENTS</th> <th>INVOICE INFORMATION</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>RUSH (SURCHARGES APPLY) X STANDARD</td> <td>I. Results Only II. Results + QC Summaries (ACS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data</td> <td>P.O. # B10739 Bill to</td> </tr> <tr> <td>8</td> <td>REQUESTED FAX DATE N/A</td> <td>Edata Yes No</td> <td></td> </tr> <tr> <td>8</td> <td>REQUESTED REPORT DATE N/A</td> <td></td> <td></td> </tr> </tbody> </table>						ANALYSIS REQUESTED	TURNAROUND REQUIREMENTS	REPORT REQUIREMENTS	INVOICE INFORMATION	8	RUSH (SURCHARGES APPLY) X STANDARD	I. Results Only II. Results + QC Summaries (ACS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data	P.O. # B10739 Bill to	8	REQUESTED FAX DATE N/A	Edata Yes No		8	REQUESTED REPORT DATE N/A		
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8	REQUESTED FAX DATE N/A	Edata Yes No																			
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Special Instructions/Comments: Email Report to: Dep-Overflowmicro@dep.state.fl.us																					
Relinquished By Signature <i>[Signature]</i> Printed Name Kim Appleby Firm DEP NE ROC Date/Time 7/20/21 1315		Received By Signature <i>[Signature]</i> Printed Name Cheyenne Firm ALS Date/Time 7/20/21 1315		Relinquished By Signature Printed Name Firm Date/Time																	

Date of Request: 18-JUN-2021
 Created By: PARRISH_J On: 18-JUN-2021
 Modified By: JASROTIA_P On: 18-JUN-2021
 Customer: NE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northeast District
 Event Description: Tolomato CM

Send Coolers To:

Phone: 904-256-1693
 8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish
 Cooler Ship EMail: Jeremy.M.Parrish@dep.state.fl.us

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 18-JUN-2021
 Biology Request Reviewed By: JASROTIA_P On: 18-JUN-2021
 Sampling Kit Required: YES Ship on: 09-JUL-2021
 Sampling Kit Shipped: YES On: 02-JUL-2021
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 19-JUL-2021
 Logged In By: SHAIK_A On: 21-JUL-2021

Send Final Report To:

8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish
 Report Notification EMail: Jeremy.M.Parrish@floridadep.gov

Comments: Group A:(Surf.Salt) Nutrients, Metals,Bacteria
 Group B

NE-ALS-ENQ

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-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-500ML	Number of Bottles: 1	Preserved With: HNO ₃
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Iron		
Magnesium		
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		
Beryllium		

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	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

Cadmium
 Chromium
 Copper
 Lead
 Nickel
 Selenium
 Silver
 Thallium

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