



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

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Data Qualified?

Yes ☒ No ☐

June 2016

STORET Station Name: Ochlockonee River 350m upstream of SR 12

Date: 7/6/2016

(mm/dd/yyyy)

STORET Station ID: G1WA0042

WBID: 1297F

Latitude: 30.6722

(Decimal Degrees)

County: Gadsden

RQ - 2016-07-04-30

ORG ID: 21FLWQA

Longitude: -84.3040

(Decimal Degrees)

Receiving Body of Water: Gulf Of Mexico

Field ID: G1WA0042

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Ben Ralys				☒	☒	☒	☒	☒	☐ Sample Container	☐ Van Dorn	☐ Pole	
Justin Wallheiser				☐	☒	☐	☐	☐	☐ Carboy	☒ Syringe		
				☐	☐	☐	☐	☐	☐ Dipper	☐ Other		
									Equipment ID			
									Collection Method			
									☐ Wading	Via Boat		
									☐ From Shore	☐ Canoe/Kayak		
									☐ Other (note below)	☐ Electric Motor		
										☒ Gasoline Motor		
Water Level: Dry / Low / <u>Normal</u> / High / Flooded				Matrix: <u>Fresh</u> / Marine / DI				Tide Falling: Yes / No / <u>NA</u>				
Meter ID# <u>Biology 2</u>				Photos: Yes / <u>No</u>								
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)		
<u>EST</u>	<u>2:05</u>	<u>0.3</u>	<u>1.4</u>	<u>6.25</u>	<u>81.5</u>	<u>6.85</u>	<u>0.04</u>	<u>0.6</u>	<u>90</u>	<u>29.10</u>		
CEN												
Biological Samples Collected: <u>None</u> HA SCI LVS RPS LVI Other												
Parameter Suite		Parameter Methods				Preservation		Acid Lot#		Expiration	pH Check	
Preserved Nutrients		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4		<u>6133010</u>		<u>5/12/17</u>	☒ <2	
Metals		☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO3		<u>5259030</u>		<u>9/14/16</u>	☒ <2	
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☐ Ice						
Chlorophyll		☒ CHLSUITE-W				☐ Ice						
Physical/Aggregate (Fresh)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS				☐ Ice						
Physical/Aggregate (Marine)		☐ Alkalinity / W-F / W-TSS / TURBIDITY				☐ Ice						
Macroinvertebrates		☐ MI-FW-QLDC				☐ Formalin						
Microbiology		☐ E Coli ☐ F Coli ☐ Enteroc ☐ QPCR				☐ Ice						
Periphyton		☐ ALGAE-ID				☐ Ice						
Pesticides		☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R				☐ Ice						
		☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH				☐ Other						

Contains 1:1 Nitric Acid NA-5259030 EXP: 09/16/16 Warning! See MSDS

Contains 1:1 Sulfuric Acid SA-6133010 EXP: 05/12/17 Warning! See SDS

Notes:

Signature:

Date:

Field Parameters Entered into LIMS:

(Initials/Date)

Field Parameters QC in LIMS:

(Initials/Date)

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved:

(Initials/Date)

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

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

Meter **Biology #2**

RQ- **2016-07-04-30**

Project **SMP**

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification **06/03/2016**

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	7/6/16	7:30	22.33	8.693	8.69	100.0	49.2	-	P	Lab
ICV	Ben Ralys	7/6/16	7:31	22.38	8.693	8.67	99.9	49.2	-	P	Lab
CCV	Susan Wallhouse	7/6/16	15:42	29.91	7.572	7.53	99.4	51.2	-	P	Lab
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; 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.	Ben Ralys	7/6/16	7:34	160330D	4/2017	1,000	1,000	P	Lab
ICV	Ben Ralys	7/6/16	7:35	160330D	4/2017	1,000	1,000	P	Lab
CCV	Susan Wallhouse	7/6/16	15:48	260533	12/2017	100	98	P	Lab
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	7/6/16	7:38	160330B	10/2017	7.0	7.0	-19.2	P	Lab
Calibr.	Ben Ralys	7/6/16	7:42	160330A	4/2017	4.0	4.0	-159.5	P	Lab
Calibr.	Ben Ralys	7/6/16	7:45	160330C	10/2017	10.0	9.98	-189.5	P	Lab
ICV	Ben Ralys	7/6/16	7:47	160330C	10/2017	10.0	9.97	-189.4	P	Lab
CCV	Susan Wallhouse	7/6/16	15:49	160330A	4/2017	4.0	3.92	-163.4	P	Lab
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

Cooler Packing Worksheet for Request: RQ-2016-07-04-30

Ochlockonee River

Ship Cooler On: 6/20/2016

Customer/Project: WQAP/SMP

Requester: Benjamin Ralys

Priority: 3

850-245-8443
2600 Blair Stone Rd
MS #3560
Tallahassee, FL 32399-2400
Attn: Benjamin Ralys

Comments:

Bottle Group A: Freshwater chemistry including metals

Bottle Group B: Algal ID

1 - case of Nitric Acid

1 - case of Sulfuric Acid

Requested Analyses:

Bottle Group: A

of Sites: 4

Container ID: P-1L

Qty: 4 Preservation: ICE

Lot # 00064935

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

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

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

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 4 Preservation: ICE

Lot # 1172350

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 4 Preservation: HNO3

Lot # 00064521

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: 4 Preservation: ICE And H2SO4

Lot # 00064521

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: 4 Preservation: ICE-FLTR

Lot # 00064846

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Bottle Group: B

of Sites: 4

Container ID: PT-50ML

Qty: 4 Preservation: ICE

Lot # 430897

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

Cooler Packed By: SK Date: 6-20-16
DEP Cooler ID #(s): 2 Coolers

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- ☐ FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID	<u>Nitric Acid</u>	exp: <u>9-16-16</u>	Lot #	<u>NA5259030</u>
ID			Lot #	
ID	<u>Sulfuric Acid</u>		Lot #	<u>SA6133010</u>
ID		exp: <u>5-12-17</u>	Lot #	
ID			Lot #	

PLEASE RETURN ALL COOLERS FOR RQ-2016-07-04-30