



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Econfina River @ Cabbage Grove Salt Rd

Date:

03/22/18

(mm/dd/yyyy)

WIN/ Field ID: G1TLHR0092

WBID: 3402

Latitude: 30.1711

(Decimal Degrees)

County: Jefferson

ORG ID: 21FTLHR

Longitude: 83.8235

(Decimal Degrees)

Receiving Body of Water: Gulf of Mexico

RQ-2018-03-95-66

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
J. Burtchett J. Woods						✓	✓	✓	✓	✓	☐ Sample Container	☒ Van Dorn	☐ Pole		
											☐ Carboy	☒ Syringe			
											☐ Dipper	☐ Other			
											Depth Measured with <u>exo 3</u>				
											Equipment ID # <u>1</u>				
											Collection Method				
											☐ Wading	☐ Canoe/Kayak			
											☐ From Shore	☐ Electric Motor			
											☒ Other <u>Bridge</u>	☐ Gasoline Motor			
Water Level: Dry/ Pooled/ Low / Normal / <u>High</u> / Flooded						Meter ID# <u>Exo 3</u>			Matrix: <u>Fresh</u> / Marine / DI						
Photos: Yes / No		Flow: No Flow / Intestinal / <u>Flowing</u> / NA				Tide: Rising/ Falling/ Slack/ NA			Tide Times: High / Low						
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTH)	Sp COND (µmhos/cm)	Temp. (C°)					
EST	1045	1.5	0.3	0.3	6.16	63	6.97	0.07	155	16.64					
CEN	1050		1.0		6.18	64	6.96	0.07	154	16.63					
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#:															
Parameter Suite	Parameter Methods					Preservation	Lot#	Expiration	pH Check						
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					☒ Ice ☐ H2SO4	SA 7163000	6/12/18	☒ <2						
Metals	☒ W-ICPMS ☐ W-ICP					☒ Ice ☒ HNO3	NA 7341010	12/7/18	☒ <2						
Filtered Nutrients	☒ W-P04-F ☒ Field Filtered 0.45 µm Filter					☒ Ice									
Chlorophyll	☐ CHL5-LITE-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	☐ ML-FW-QLDC					☐ Formalin									
Periphyton	☐ ALGAE-ID					☐ Ice									
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci					☐ Ice									
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD					☐ Ice									
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA					☐ Ice									
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA					☐ Ice									
	☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R					☐ Other									

Notes:

C

Field/WIN ID →



G1TLHR0092

Location ↓

Econfina River @ Cabbage Grove Salt Rd

Signature:

Date:

03/22/18

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: TLH-ROC

Requester: Chris Green

Project ID: SMP

Collected By: J. Woods, J. Burtchett

Field Report Prepared By: J. Burtchett

Sampling Agency: 8034

Location		Field/WIN ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		G1TLHR0090		Date 3/22/18 Time 1010		Date		(See pg 2)	
WIN/STO		Location		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		Temp (C) 17.59		pH 7.01		Diss. Oxygen 5.83			
		Salinity (ppt) 0.10		Sample Depth 0.3		Sp. Conductance (umho/cm) 209		A	
Location		Field/WIN ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		G1TLHR0092		Date 3/22/18 Time 1045		Date		(See pg 2)	
WIN/STORE		Location		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		Temp (C) 16.64		pH 6.97		Diss. Oxygen 6.16			
		Salinity (ppt) 0.07		Sample Depth 0.3		Sp. Conductance (umho/cm) 155		A	
Location		Field/WIN ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		G1TLHR0089		Date 3/22/18 Time 1215		Date		(See pg 2)	
WIN/STO		Location		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		Temp (C) 14.58		pH 4.61		Diss. Oxygen 5.82			
		Salinity (ppt) 0.02		Sample Depth 0.3		Sp. Conductance (umho/cm) 47		A	
Location		Field/WIN ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		G1TLHR0093		Date 3/22/18 Time 1230		Date		(See pg 2)	
WIN/STORE		Location		Matrix (type, e.g., Salt, Fresh, etc)		mg/L Total Res. Chlorine			
Latitude		Temp (C) 15.30		pH 5.70		Diss. Oxygen 5.69			
		Salinity (ppt) 0.02		Sample Depth 0.3		Sp. Conductance (umho/cm) 52		A	

Relinquished By: JB, JW	Date/Time: 3/22/18 1433	Shipping Method: HD	Number of Coolers Shipped: 1	Received By: SP	Date/Time: 3-22-18/2:36
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Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	4
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	4
	W-PO4-F						

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 name.

Meter ID: Evo 3 RQ: Project:

- 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.

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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 12/17

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.	J. Burtchett	3/22/18	803	20.0	9.09	9.10	100	-	1.05	P / F	L / F
ICV	↓	↓	813	20.2	9.06	9.08	100	-	-	P / F	L / F
CCV	↓	↓	1409	14.3	12.31	10.41	101	-	-	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; 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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	J. Burtchett	3/22/18	805	15016B	01/19	1000	1000	P / F	L / F
ICV	↓	↓	815	2710781	04/19	100	95	P / F	L / F
CCV	↓	↓	81411	2802833	01/19	100	96	P / F	L / F
CCV			1413	180116A	01/19	1000	997	P / F	L / F

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.	J. Burtchett	3/22/18	807	171121A	06/19	7.0	7.0	-343	P / F	L / F
Calibr.	↓	↓	809	15016D	01/19	4.0	4.0	14570	P / F	L / F
Calibr.	↓	↓	811	171121B	06/19	10.0	10.0	-1580	P / F	L / F
ICV	↓	↓	817	171121B	06/19	10.0	10.0	-2017	P / F	L / F
CCV			1415			4.0	4.0	1468	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 10 163.7, slope from 4 to 7 180 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification 12/17

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						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: