

Reference SCI-

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: SE-DIST

Requester: Matt Sewell

Field Report Prepared By:

Project ID: SCIREF

Collected By:

Jordan Skaggs, Ashley Hurley, Matt Sewell, Jimmy Pitts

Sampling Agency:

FDEP 21FLWPB

Location Fort Drum Creek @ US 441		☐ Comp ☐ Grab	Collection (comp begin or grab) Date 11/30/16 Time 1200		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s) (See pg 2) B
Field ID 26010430 SCI		Matrix (type, e.g., Salt, Fresh, etc) Biology		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
STORET # 26010430		Temp (C)		pH		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)
Latitude 27.512614 ☒ dd ☐ dms	Longitude -80.807828 ☒ dd ☐ dms	Salinity (ppt)		Comments SCI bottles				
Location Fort Drum Creek @ US 441		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/30/16 Time 1230		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s) A
Field ID 26010430		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen ☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
STORET # 26010430		Temp (C) 21.0		pH 6.5		Sample Depth 0.1 ☐ ft ☒ m		Sp. Conductance (umho/cm) 124
Latitude 27.512614 ☐ dd ☐ dms	Longitude -80.807828 ☒ dd ☐ dms	Salinity (ppt) 0.06		Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		☐ Eastern ☐ Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
STORET #		Temp (C)		pH		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)		Comments				
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		☐ Eastern ☐ Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
STORET #		Temp (C)		pH		Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)		Comments				

Relinquished By: FDEP	Date/Time 11/30/16 15:30	Shipping Method Fedex	Number of Coolers Shipped: 1	Received By: SK	Date/Time 12-1-16 / 10:17
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	ALKALINITY TURBIDITY W-BR-IC W-CL-IC W-COLOR W-SO4-IC W-TDS W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	CHLSUITE-W					
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	ECOLI-18QT					
Group: A	Bottle Type:	P-120ML-OC	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	FCOLI-MF					
Group: A	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	PCR-HF183					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab <u>1</u>
	W-ICP W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>1</u>
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	W-PCP-AA-R W-SUC-AA-R					
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab <u>1</u>
	W-PO4-F					
Group: B	Bottle Type:	PT-50ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>1</u>

Group: B	Bottle Type:	PT-50ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	/
	ALGAL_ID						
Group: B	Bottle Type:	PJ-2L	# of Bottles: 2	Preservative:	Formalin	Enter Number of Bottles Sent to Lab	/
	MI-FW-QLDC						

Date of Request: 26-APR-2016
 Created By: SEWELL_M On: 26-APR-2016
 Modified By: WATTS_J On: 30-NOV-2016
 Customer: SE-DIST
 Project: SCIREF
 Division:
 District: Southeast District
 Sampling Event: Reference SCI-

Send Coolers To:

Phone: (772) 380-5572
 FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Matthew Sewell

Program Module Number: 1306
 Priority: 3
 Event Status: A
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 30-NOV-2016
 Biology Request Reviewed By: WATTS_J On: 30-NOV-2016
 Sampling Kit Required: YES Ship on: 13-MAY-2016
 Sampling Kit Shipped: YES On: 16-MAY-2016
 Sampling Kit Packed By: BOWDEN_M
 Preservatives Needed: NO
 Date to Receive Samples: 23-MAY-2016
 Received By:

Send Final Report To:

FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Matthew Sewell

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments:**Bottle Group A (Water) With 1 Samples:**

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) 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) Bromide 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) True Color measured at 450 nm
Color (true)		
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 1	Preserved With: ICE
CHLSUITE-W	Template:	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type:	Number of Bottles: 1	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
Bottle Type: P-120ML-OC	Number of Bottles: 1	Preserved With: ICE
FCOLI-MF	Template: DEFAULT	(SM 9222 D) Fecal coliforms by membrane filter method - non-chlorinated water systems
Bottle Type: QPCR-P-250ML	Number of Bottles: 2	Preserved With: ICE
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction
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		
Potassium		
Sodium		

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

Silver

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-00) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Type: BG-1L	Number of Bottles: 1	Preserved With: ICE
W-PCP-AA-R	Template:	(EPA 8321B) Personal Care Products and pesticides in water matrices by HPLC/MS/MS
W-SUC-AA-R	Template: DEFAULT	(EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS
Bottle Type: P-125ML	Number of Bottles: 1	Preserved With: ICE-FLTR
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group B (Biological) With 1 Samples:

Bottle Type: PT-50ML	Number of Bottles: 1	Preserved With: ICE
ALGAL_ID	Template: DEFAULT	(SOP-AB05) Qualitative assessment of algal taxa present without counts
Bottle Type: PJ-2L	Number of Bottles: 2	Preserved With: Formalin
MI-FW-QLDC	Template: DEFAULT	(SOP-IZ06) No. Taxa of FW macroinverts, qual samp, 20 dipnets.

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

RQ-2016-05-23-24

Log-in Checklist

Shipping Method: FedexDate/Time of Receipt: 12-1-16/10:17

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape		Tracking # (fill out only if waybill copy is damaged)	
			Present?	*Intact?		
Yes	No	Yes	No			
<u>Red</u>	<u>0.8</u>	<u>12</u>		☒		

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

****Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

****Chain of Custody/ Field Sheet(s) Included?** Yes ☒ No ☐

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 (Blue dot on container)

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.					
Analysis	Yes	No	Analysis	Yes	No
W-1,4 DIOX			W-PC-AA-SF		
W-AHERB-AA (-AHB-AA-R)			W-PCL-SQ (-R)		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PESTNP-R		
W-ENDO-AA			W-PSCL-TQ		
W-GLYPH			W-PSNP-TQ		
W-NP-AA-SF			W-PST-CL-R		
W-PAH (-R)			W-TR-TQ		
W-PCB-R					

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

****Acid Preserved Samples:** pH $\leq$ 2.0? Yes ☒ No ☐ NA ☐ Init: SK

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

Coolers Unpacked/Checked by: SK

Date: 12-1-16

NCRs (Y/N)? N

Event ID: SE-DIST-2016-12-01-01

NCR #

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	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

ENCORE SAMPLES

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

Were Encore samples received? Yes____ No ✓

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____

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: _____

Additional Comments: