Request Number: RQ-2016-08-08-15

Suwannee 4

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: NE-DIST

Project ID: SMP

Requester: Nicole Frederick

Collected By: P. O'Connor, B. DAVIS, A. KALMBACHER

Field Report Prepared By: P. O'Connor

Sampling Agency: DEAR NED ROC

Location: SUWANEE SR6

Field ID:

STORET #: 21020141

Latitude ☐ dd ☐ dms | **Longitude** ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 08/09/16 Time 1015 Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2): B

Matrix (type, e.g., Salt, Fresh, etc): Surface Fresh | Diss. Oxygen: 6.3 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L):

Temp (C): 28.1 | pH: 4.38 | Sample Depth: 0.15 ☐ ft ☒ m | Sp. Conductance (umho/cm): 54

Salinity (ppt): 0.02 | Comments: DO% 80.8

Location: SUWANNEE TURNER BTRMP

Field ID:

STORET #: 21020152

Latitude ☐ dd ☐ dms | **Longitude** ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 08/09/16 Time 1045 Eastern Central | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Surface Fresh | Diss. Oxygen: 6.03 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L):

Temp (C): 27.9 | pH: 4.37 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 52

Salinity (ppt): 0.02 | Comments: DO% 76.4

Location: SUWANNEE CONE BRIDGE

Field ID:

STORET #: 21010020

Latitude ☐ dd ☐ dms | **Longitude** ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 08/09/16 Time 0950 Eastern Central | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Surface Fresh | Diss. Oxygen: 6.23 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L):

Temp (C): 28.2 | pH: 4.74 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 48

Salinity (ppt): 0.02 | Comments: DO% 79.2

Location: ROCKY WOODPECKER 135

Field ID:

STORET #: 21010032

Latitude ☐ dd ☐ dms | **Longitude** ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 08/09/16 Time 1110 Eastern Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Surface Fresh | Diss. Oxygen: 6.14 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L):

Temp (C): 24.4 | pH: 6.43 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 108

Salinity (ppt): 0.05 | Comments: DO% 72.8

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
P O'Connor	08/09/16 1500	FED EX		C	8/10/16 9:45

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	2
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	ICE-FLTR	**Enter Number of Bottles Sent to Lab**	2
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	3
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	3
	CHLSUITE-W						
Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	HNO3	**Enter Number of Bottles Sent to Lab**	3
	W-ICP W-ICPMS						

Request Number: RQ-2016-08-08-15

Suwannee 4

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Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: NE-DIST

Project ID: SMP

Requester: Nicole Frederick

Field Report Prepared By: P O'Connor

Collected By: B DAVIS, P O'Connor, A. KALMBACHER

Sampling Agency: DEAR NED ROC

Location: JERRY AT CR25A

Field ID:

STORET: 21020136

Latitude ☐ dd ☐ dms | **Longitude** ☐ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 08/09/16 Time 1205 (Eastern) Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Surface Fresh | Diss. Oxygen 5.96 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 24.9 | pH 6.25 | Sample Depth 0.2 ☐ ft ☐ m | Sp. Conductance (umho/cm) 89

Salinity (ppt) 0.04 | Comments DO% 70.3

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 ~~0.2~~ ☐ ft ☒ m | Sp. Conductance (umho/cm) ~~89~~

Latitude ☐ dd ☐ dms | **Longitude** ☐ dd ☐ dms | Salinity (ppt) | Comments

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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

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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

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Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
P O'Connor	08/09/16 1500	FedEx	1	CA	8/10/16 9:45

Group:	Bottle Type:	# of Bottles:	Preservative:	
A	P-1L	2	ICE	Enter Number of Bottles Sent to Lab _____

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Group:	Bottle Type:	# of Bottles:	Preservative:	
A	BP-1L	2	ICE	Enter Number of Bottles Sent to Lab _____

CHLSUITE-W

Group:	Bottle Type:	# of Bottles:	Preservative:	
A	P-500ML	2	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____

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

Group:	Bottle Type:	# of Bottles:	Preservative:	
A	P-125ML	2	ICE-FLTR	Enter Number of Bottles Sent to Lab _____

W-PO4-F

Group:	Bottle Type:	# of Bottles:	Preservative:	
B	P-1L	3	ICE	Enter Number of Bottles Sent to Lab _____

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Group:	Bottle Type:	# of Bottles:	Preservative:	
B	BP-1L	3	ICE	Enter Number of Bottles Sent to Lab _____

CHLSUITE-W

Group:	Bottle Type:	# of Bottles:	Preservative:	
B	P-500ML	3	HNO3	Enter Number of Bottles Sent to Lab _____

W-ICP
W-ICPMS

Group: B Bottle Type: P-500ML # of Bottles: 3 Preservative: ICE And H2SO4 **Enter Number of Bottles Sent to Lab** 3

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

Group: B Bottle Type: P-125ML # of Bottles: 3 Preservative: ICE-FLTR **Enter Number of Bottles Sent to Lab** 3

W-PO4-F

RQ-2016-08-08-15

Date of Request: 11-JUL-2016
Created By: FREDERIC_N On: 11-JUL-2016
Modified By: WATTS_J On: 20-JUL-2016
Customer: NE-DIST
Project: SMP
Division:
District: Northeast District
Sampling Event: Suwannee 4

Send Coolers To:

Phone: 904-256-1700
8800 Baymeadows Way
Suite 100
Jacksonville, FL 32256
Attn: Nicole Frederick

Send Final Report To:

8800 Baymeadows Way
Suite 100
Jacksonville, FL 32256
Attn: Nicole Frederick

Program Module Number:
Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 18-JUL-2016
Biology Request Reviewed By: MATTHEWS_D On: 19-JUL-2016
Sampling Kit Required: YES Ship on: 29-JUL-2016
Sampling Kit Shipped: YES On: 26-JUL-2016
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: NO
Date to Receive Samples: 08-AUG-2016
Received By:

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

Comments: NE ROC

DO NOT send extra coolers

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-1L Number of Bottles: 2 Preserved With: ICE

ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/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 Color (true)	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
W-F	Template: DEFAULT	(SM 4500 F-C-97) 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-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: 2 Preserved With: ICE

CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

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-00) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Type: P-125ML Number of Bottles: 2 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 (Water) With 3 Samples:

Bottle Type: P-1L Number of Bottles: 3 Preserved With: ICE

ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/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

Bottle Group B (Water) With 3 Samples:

Bottle Type: P-1L	Number of Bottles: 3	Preserved With: ICE
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) 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-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: 3	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 3	Preserved With: HNO3
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		
Chromium		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
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
Arsenic		
Cadmium		
Copper		
Lead		
Silver		
Bottle Type: P-500ML	Number of Bottles: 3	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: P-125ML	Number of Bottles: 3	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

Log-in Checklist

RQ- 2016-08-08-15

Shipping Method: Fedex

Date/Time of Receipt: 9:45 8/10/16

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	
Red	0.9	23		✓			8103 9283 2396

*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 ≤ 2.0? Yes ✓ No____ NA_____ Init: a

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes____ No____ NA ✓ Init: a

Coolers Unpacked/Checked by: a **Date:** 8/10/16 **NCRs (Y/N)?** N

Event ID: NE-DIST-2016-08-10-02 **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: