

RQ- 2019-01-28-39

Log-in Checklist

Login Station ID: #4

Shipping Method: FedEx UPS | HD | Greyhound

Date/Time of Receipt: 01/30/2019 @ 10:25am

Cooler Temperature*	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
	HNO ₃	Formalin		Present?		*Intact?		
				Yes	No	Yes	No	
0.7°C			15		x			4751 8775 7057
0.9°C			10		X			4751 8775 7068
1.2°C			11		X			4751 8775 7046

* HNO₃ and Formalin persevered samples do **NOT** have a temperature requirement. For all others, 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 below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

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

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ☒ No ☐ Date 1/30/19

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 REQUIRED? (Blue dot on container) Yes ☒ No ☐ Init: MR

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-E8321-DI, -MS, -21		☒	W-NP-AA-SF		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PCL-SQ-R		
W-U2060-MS			W-TR-TQ		
W-PCB-R			W-CT-CI-R		
W-PAH (-R)			W-PSNP-TQ		
W-PFAS-MS					

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

****Acid Preserved Samples:** pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: MR

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

Coolers Unpacked/Checked by: Tyler Reynolds Date: 01/30/2019

NCRs (Y/N)? N

Event ID: Rose / Spruce / Strick / UnBran
CEN-DIST-2019-01-30-01 (SMP)

NCR #

Date Received: 30-JAN-2019 10:25

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

Additional Comments:

Infrared Thermometer ID:	REC_04_2018
pH Paper 0.0 – 3.0 Lot #	
pH Paper 0 – 13 Lot #	222516EXP:09/15/2019
Chlorine Test Strips Lot #	091417V EXP:09/2021

ENCORE SAMPLES

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

Were Encore samples received? Yes _____ No X

Date and time placed in freezer _____

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

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: _____

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Field Report Prepared By: Mike Linger

Collected By: Mike Linger / Lawrence Brennan

Sampling Agency: FDEP CE-ROC

Location		WIN ID / Field ID →				G5CE0084		☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)	
Field		WIN		Unnamed Branch @ 60m upstream of Airport Road				Date		Time		Date		Time		(See pg 2)	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine (mg/L)											
Temp (C)		pH		Sample Depth		ft		m		Sp. Conductance (umho/cm)							
12.4		6.88		0.2		318.1										C	
Salinity (ppt)		Comments															
dd		dms															
Location		WIN ID / Field ID →				G5CE0099		☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)	
Field		WIN		Spruce Creek @ 0.68 miles Upstream of RR Bridge				Date		Time		Date		Time		(See pg 2)	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine (mg/L)											
Temp (C)		pH		Sample Depth		ft		m		Sp. Conductance (umho/cm)							
13.8		7.13		0.3		747										B	
Salinity (ppt)		Comments															
dd		dms															
Location		WIN ID / Field ID →				G5CE0091		☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)	
Field		WIN		Spruce Creek @ 500m Upstream of RR Bridge				Date		Time		Date		Time		(See pg 2)	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine (mg/L)											
Temp (C)		pH		Sample Depth		ft		m		Sp. Conductance (umho/cm)							
13.6		7.16		0.3		850										B	
Salinity (ppt)		Comments															
dd		dms															
Location		WIN ID / Field ID →				G5CE0073		☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)	
Field		WIN		Rose Bay @ 125m NE of Boat Ramp				Date		Time		Date		Time		(See pg 2)	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine (mg/L)											
Temp (C)		pH		Sample Depth		ft		m		Sp. Conductance (umho/cm)							
14.4		7.70		0.3		30,370										A	
Salinity (ppt)		Comments															
dd		dms															

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
MLK	1/29/19 1600	FedEx	3	Tyler Reynolds	1/30/19 @ 10:28a

★ Micro sent to contract lab - Pace

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
ALKALINITY TURBIDITY W-BR-IC W-F W-TSS							
Group: A	Bottle Type:	CD-ERD-ENT	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2 sent to contract lab - Pace
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type:	CHLSUITE-W	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type:	W-E8321-DI W-E8321-MS	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
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 H2SO4 LOT# SA8197090 EXP: 07/16/2019							
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type:	W-PO4-F	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
ALKALINITY TURBIDITY W-BR-IC W-F W-TSS							
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4 sent to contract lab - Pace
Group: B	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4

Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 4	Preservative: HNO3 HNO3 LOT# NA8067020 EXP: 03/08/2019	Enter Number of Bottles Sent to Lab	4
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 4	Preservative: ICE And H2SO4 H2SO4 LOT# SA8197000 EXP: 07/16/2019	Enter Number of Bottles Sent to Lab	4
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 4	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	4
Group: C	Bottle Type: CD-FLR-ECQ	P-250ML-WI-THI	# of Bottles: 3	Preservative: Na thiosulfate and Ice	Enter Number of Bottles Sent to Lab	2 sent to contract lab- Pace
Group: C	Bottle Type: PCR-HF183	QPCR-P-500ML	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: D	Bottle Type: CD-ERD-EC	P-250ML-WI-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2 sent to contract lab- Pace

Rose / Spruce / Strick / UnBranch / Groover

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

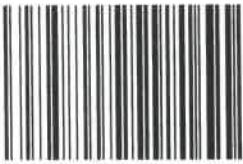
Requester: Michael Linger

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/29/19 Time 1236	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field	Rose Bay @ 200m E of Boat Ramp	G5CE0098		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 9.38	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN				Temp (C) 15.3	pH 7.76	Sample Depth 0.3	Sp. Conductance (umho/cm) 28,380
Latit.			☐ dd ☐ dms	Salinity (ppt)	Comments		A
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/29/19 Time 1335	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Strickland Bay @ 100M East (Downstream) of RR Crossing	G5CE0081		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 8.01	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/ST				Temp (C) 13.9	pH 7.16	Sample Depth 0.3	Sp. Conductance (umho/cm) 2,447
Latitude			☐ dd ☐ dms	Salinity (ppt)	Comments		B
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/29/19 Time 1347	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Strickland Bay @ 525M East (Downstream) of RR Crossing	G5CE0082		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 8.54	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/ST				Temp (C) 14.3	pH 7.22	Sample Depth 0.3	Sp. Conductance (umho/cm) 5,724
Latitude			☐ dd ☐ dms	Salinity (ppt)	Comments		B
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/29/19 Time 1032	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Groover Branch at Tymber Run Road	G5CE0041		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 8.73	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/ST				Temp (C) 11.8	pH 6.68	Sample Depth 0.3	Sp. Conductance (umho/cm) 153.3
Latitude			☐ dd ☐ dms	Salinity (ppt)	Comments		D

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
MLL	1/29/19 1600	FedEx	3	Tyler Reynolds	1/30/19 @ 10:25a

★ - Micro sent to contract lab - Pace

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS					
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CD-ERD-ENT					
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	PCR-FILTER					
Group: A	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	W-E8321-DI W-E8321-MS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS					
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CD-ERD-ENT					
Group: B	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____

Rose / Spruce / Strick / UnBranch / Groover

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By: Mike Linger

Project ID: SMP

Collected By: Mike Linger / Lawrence Donnan

Sampling Agency: FDEP CE-ROC

Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/29/19 Time 1045		Eastern Central	Composite end Date Time		Bottle Group(s) (See pg 2)
Field ID WIN ID / Field ID → G5CE0040 Groover Branch at Airport Road Bridge		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 8.34	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		D
Latitude dd dms		Temp (C) 11.5	pH 6.42	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 145.3		
		Salinity (ppt) dd dms		Comments				
Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/29/19 Time 1113		Eastern Central	Composite end Date Time		Bottle Group(s)
Field ID WIN ID / Field ID → G5CE0032 Unnamed Branch @ Bear Creek Path		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 7.33	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		C
Latitude dd dms		Temp (C) 12.8	pH 6.89	Sample Depth 0.1	☐ ft ☒ m	Sp. Conductance (umho/cm) 346.5		
		Salinity (ppt) dd dms		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)		
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude dd dms		Longitude dd dms	Salinity (ppt) dd dms	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)		
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude dd dms		Longitude dd dms	Salinity (ppt) dd dms	Comments				

Relinquished By: MKL	Date/Time 1/29/19 1600	Shipping Method FedEx	Number of Coolers Shipped: 3	Received By: Tyler R.	Date/Time 1/30/19 @ 1025
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★ - Micro sent to contract lab - Pace

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					
	TURBIDITY					
	W-BR-IC					
	W-F					
	W-TSS					
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CD-ERD-ENT					
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	PCR-FILTER					
Group: A	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	W-E8321-DI					
	W-E8321-MS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					
	TURBIDITY					
	W-BR-IC					
	W-F					
	W-TSS					
Group: B	Bottle Type:	P-250ML-WI-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CD-ERD-ENT					
Group: B	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab



4 East Tower Cir
Ormond, 32174

CONTRACT LAB - CHAIN OF CUSTODY

Client Name: Department of Environmental Protection
Address: 3319 Maguire Blvd Suite 232, Orlando, FL 32803
Project Manager: Mike Linger
E-Mail: DEP-Overflowmicro@DEP.state.fl.us
Telephone Number: (407) 897-4100

Project Name: SMP

Project Number: RQ-2019-01-28-39

Site Location: Rose / spruce / strickland / roarer / Un Ben

Contract/PO # Pace Lab - B374A0

Sampler Names: Mike Linger / Mike Drennan

Signature: [Signature]

FIELD ID	Lab No. (Lab Use Only)	Date	Time Sampled	No. of Containers	Grab	Composite	Preservative				Matrix				Analyze For:		
							ICE	HCL	HNO3	NONE	Groundwater	Wastewater	Drinking Water	Surface Water	Escherichia Coli (ECQ)	Enterococci (ENQ)	Fecal Coliform (FC)
G5CE0099		1/29/19	1415	1			X							X		X	
G5CE0091			1404	1			X							X		X	
G5CE0073			1226	1			X							X		X	
G5CE0098			1236	1			X							X		X	
G5CE0081			1335	1			X							X		X	
G5CE0082			1347	1			X							X		X	
							X							X			
							X							X			

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time	Comments
[Signature]	1/29/19	1529	JRA / Pace	1/29/19	1529	Temp Upon Receipt :
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact?
						Y N



CONTRACT LAB - CHAIN OF CUSTODY

Client Name: Department of Environmental Protection
Address: 3319 Maguire Blvd Suite 232, Orlando, FL 32803
Project Manager: Mike Linger
E-Mail: DEP-OverFlowMicro@DEP.state.fl.us
Telephone Number: (407) 897-4100

Project Name: SMP

Project Number: RQ-2019-01-28-39

Site Location: Groover / Va Branch / Rose / Spruce / Strick

Contract/PO # Pace Lab - B374A0

Sampler Names: Mike Linger / Mike Drannon Signature: [Signature]

FIELD ID	Lab No. (Lab Use Only)	Date	Time Sampled	No. of Containers	Grab	Composite	Preservative				Matrix				Analyze For:		
							ICE	HCL	HNO3	NONE	Groundwater	Wastewater	Drinking Water	Surface Water	Escherichia Coli (ECQ)	Enterococci (ENQ)	Fecal Coliform (FC)
G5CE0041		1/29/19	1032	1			X							X	X		
G5CE0040			1045	1			X							X	X		
G5CE0032			1113	1			X							X	X		
G5CE0084			1126	1			X							X	X		

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time	Comments
[Signature]	1/29/19	1529	URA/Pace	1/29/19	1529	Temp Upon Receipt:
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact?
						Y N

Date of Request: 10-JAN-2019
 Created By: LINGER_M On: 10-JAN-2019
 Modified By: JASROTIA_P On: 14-JAN-2019
 Customer: CEN-DIST
 Project: SMP
 Division:
 District: Central District
 Sampling Event: Rose / Spruce / Strick / UnBranch / Groover

Send Coolers To:

Phone: 407-894-4180
 FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Michael Linger

Send Final Report To:

FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Michael Linger

Program Module Number: 1306
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 11-JAN-2019
 Biology Request Reviewed By: JASROTIA_P On: 14-JAN-2019
 Sampling Kit Required: YES Ship on: 18-JAN-2019
 Sampling Kit Shipped: YES On: 18-JAN-2019
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 28-JAN-2019
 Received By:

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

Comments:
 A: Rose X2
 B: Spruce X2 / Strickland X2
 C: UnBranch X3
 D: Groover X2

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 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-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: P-250ML-WI-THI	Number of Bottles: 2	Preserved With: ICE
CD-ERD-ENT	Template: DEFAULT	(SM 9230 C) Enterococci by membrane filter method by ERD Laboratory
Bottle Type: BP-1L	Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: QPCR-P-500ML	Number of Bottles: 2	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
Bottle Type: BG-500ML	Number of Bottles: 2	Preserved With: ICE
W-E8321-DI	Template:	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H ₂ SO ₄
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 P/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: FILTER-ICE
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 4 Samples:

Bottle Type: BP-1L Number of Bottles: 4 Preserved With: ICE
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Bottle Type: P-500ML Number of Bottles: 4 Preserved With: HNO3
 W-ICP Template: S-METALS (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Iron
 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
 Cadmium
 Chromium
 Copper
 Lead
 Nickel
 Selenium
 Silver
 Thallium

Bottle Type: P-500ML Number of Bottles: 4 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: 4 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

Bottle Type: P-1L Number of Bottles: 4 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-BR-IC Template: DEFAULT (EPA 300.0) Bromide in aqueous matrices
 W-F Template: DEFAULT (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
 W-TSS Template: DEFAULT (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Bottle Type: P-250ML-WI-THI Number of Bottles: 4 Preserved With: ICE
 CD-ERD-ENT Template: DEFAULT (SM 9230 C) Enterococci by membrane filter method by ERD Laboratory

Bottle Group C (Water) With 3 Samples:

Bottle Type: P-250ML-WI-THI Number of Bottles: 3 Preserved With: Na thiosulfate and Ice
 CD-FLR-ECQ Template: DEFAULT (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by Flowers Chemical Laboratory in Altamonte Springs

Bottle Type: QPCR-P-500ML Number of Bottles: 3 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: BG-500ML Number of Bottles: 3 Preserved With: ICE
 W-E8321-DI Template: (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
 W-E8321-MS Template: DEFAULT (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group D (Water) With 2 Samples:

Bottle Type: P-250ML-WI-THI Number of Bottles: 2 Preserved With: ICE
 CD-ERD-EC Template: DEFAULT (EPA 1603) Escherichia coli by membrane filter method by ERD Laboratory

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