

Central Laboratory Submittal Form

Customer: SE-DIST

Requester: Jordan Skaggs

Field Report Prepared By:

Rachel Brewton + Tom Wippick

Project ID: SMP

Collected By: Rachel Brewton + Tom Wippick

Sampling Agency:

FDEP - SE ROC

Location New River (North Fork) @ NW 27 th Ave	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 04/04/16 Time 10:40	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID G4SE0085-04042016	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 3.0	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
STORET # G4SE0085	Temp (C) 25.2	pH 7.0	Sample Depth 0.3	Sp. Conductance (umho/cm) 483	
Latitude 26.132707 ☒ dd ☐ dms	Longitude -80.178464 ☒ dd ☐ dms	Salinity (ppt) 0.2	Comments		
Location Duplicate	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 04/04/16 Time 10:50	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID G4SE0085-04042016 Duplicate	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 3.0	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B
STORET # G4SE0085	Temp (C) 25.2	pH 7.0	Sample Depth 0.3	Sp. Conductance (umho/cm) 483	
Latitude 26.132707 ☒ dd ☐ dms	Longitude -80.178464 ☒ dd ☐ dms	Salinity (ppt) 0.2	Comments Duplicate		
Location C-9 @ NW 57 th Ave	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 04/04/16 Time 11:40	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID G4SE0075-04042016	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 2.4	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
STORET # G4SE0075	Temp (C) 24.2	pH 7.1	Sample Depth 0.3	Sp. Conductance (umho/cm) 646	
Latitude 25.964222 ☒ dd ☐ dms	Longitude -80.294889 ☒ dd ☐ dms	Salinity (ppt) 0.3	Comments		
Location Snake Creek Canal (East) C9-2	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 04/04/16 Time 12:00	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID G4SE0017-04042016	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 2.1	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
STORET # G4SE0017	Temp (C) 25.3	pH 7.1	Sample Depth 0.3	Sp. Conductance (umho/cm) 645	
Latitude 25.964222 ☒ dd ☐ dms	Longitude -80.309222 ☒ dd ☐ dms	Salinity (ppt) 0.3	Comments		

Relinquished By: LB + TW	Date/Time 04/04/16 15:00	Shipping Method FedEx	Received By:	Date/Time	Relinquished By:	Date/Time	Received By: SK	Date/Time 4-5-16/9:30
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Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	BOD-UNIN						
Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	ALKALINITY TURBIDITY W-F W-SO4-IC W-TSS						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	BOD-UNIN						
Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>

Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab
CHLSUITE-W					
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab
W-ICP					
W-ICPMS					
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
W-NH3					
W-NO2NO3					
W-S-A-TP					
W-TKN					
W-TOC					
Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab
W-PO4-F					

RQ-2016-04-04-56

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~~RQ-2016-04-04-56~~ **Florida Department of Environmental Protection**

Request Number: ~~RQ-2014-06-16-62~~ ^{RB} ~~56~~

Central Laboratory Sample Submittal Form

St. Lucie/Martin Co. Bacterial Sampling

Requester:

~~Elizabeth Miller~~ ^{RB} Jordan Skaggs

Field Report Prepared By:

~~RB~~ TWCustomer: ~~DIVISION~~ ^{RB} EARSE DIST

Collected By:

Rachel Brewster & Tom Wippick

Send Final Report To:

Julie Espy

Jordan Skaggs

Project ID: ~~OTHER-EAR~~ ^{RB} SMP

PMAS:

Sampling Agency:

FDEP-SE RUC

Lab ID *	Location G7 Little River (LR-08 Miami Dade)			☐ Comp ☒ Grab	Collection (comp begin or grab) Date 04/04/16 Time 12:35	Eastern Central	Composite end Date _____ Time _____	Eastern Central	Bottle Group(s)**	
	Field ID G4SELR08-04042016			Tot Res Chlorine (mg/L)		Diss Oxygen (mg/L) 3.4	Storet Station Number G4SELR08		A	
	Matrix (include type e.g. Salt, Fresh, etc) Fresh	Temp (C) 26.2	pH 7.3	Sample Depth ☒ m 0.3	☐ ft	☒ Salinity (PPTH) 6064	☒ Sp Conductance (umho/cm)	NPDES Number		
	Latitude 25.87029944	☒ dd ☐ dms	Longitude -80.29098711	☒ dd ☐ dms	Comments Construction along canal. Sampled N of barriers.					
Lab ID *	Location C-7 Little River (LR-10 Miami Dade)			☐ Comp ☒ Grab	Collection (comp begin or grab) Date 04/04/16 Time 13:05	Eastern Central	Composite end Date _____ Time _____	Eastern Central	Bottle Group(s)**	
	Field ID G4SELR10-04042016			Tot Res Chlorine (mg/L)		Diss Oxygen (mg/L) 2.5	Storet Station Number G4SELR10		A	
	Matrix (include type e.g. Salt, Fresh, etc) Fresh	Temp (C) 26.3	pH 7.2	Sample Depth ☒ m 0.3	☐ ft	☒ Salinity (PPTH) 647	☒ Sp Conductance (umho/cm)	NPDES Number		
	Latitude 25.869451	☒ dd ☐ dms	Longitude -80.338668	☒ dd ☐ dms	Comments					
Lab ID *	Location Tamiami Can @ Krome Av			☐ Comp ☒ Grab	Collection (comp begin or grab) Date 04/04/16 Time 13:50	Eastern Central	Composite end Date _____ Time _____	Eastern Central	Bottle Group(s)**	
	Field ID G4SE0068-04042016			Tot Res Chlorine (mg/L)		Diss Oxygen (mg/L) 1.8	Storet Station Number G4SE0068		A	
	Matrix (include type e.g. Salt, Fresh, etc) Fresh	Temp (C) 24.2	pH 6.9	Sample Depth ☒ m 0.3	☐ ft	☒ Salinity (PPTH) 576	☒ Sp Conductance (umho/cm)	NPDES Number		
	Latitude 25.76138889	☒ dd ☐ dms	Longitude -80.48155278	☒ dd ☐ dms	Comments					
Lab ID *	Location			☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	Eastern Central	Composite end Date _____ Time _____	Eastern Central	Bottle Group(s)**	
	Field ID			Tot Res Chlorine (mg/L)		Diss Oxygen (mg/L)	Storet Station Number			
	Matrix (include type e.g. Salt, Fresh, etc)	Temp (C)	pH	Sample Depth ☐ m ☐ ft	☐ Salinity (PPTH) ☐ Sp Conductance (umho/cm)		NPDES Number			
	Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Comments					
Relinquished By:	Date/Time	Shipping Method:	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time		
RB+TW	04/04/16 15:00	Red Box					SK	4-5-16/9:30		

* Shaded Areas for Lab use only.

last revised October 1, 2003

** Please see reverse side for Bottle Group information.

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Printed: 4/5/2016 11:14:21 AM

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Date of Request: 15-MAR-2016
 Created By: SKAGGS_J On: 15-MAR-2016
 Modified By: WATTS_J On: 16-MAR-2016
 Customer: SE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Southeast District
 Sampling Event: SMP_Orange-4/4

Send Coolers To:

Phone: (772) 579-3039
 FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Jordan Skaggs

Program Module Number: 1306
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 16-MAR-2016
 Biology Request Reviewed By: SWANSON_C On: 15-MAR-2016
 Sampling Kit Required: YES Ship on: 25-MAR-2016
 Sampling Kit Shipped: YES On: 29-MAR-2016
 Sampling Kit Packed By: BOWDEN_M
 Preservatives Needed: YES
 Date to Receive Samples: 06-APR-2016
 Received By:

Send Final Report To:

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

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

Comments: 1 - case of Nitric acid
 1 - case of sulfuric Acid

Bottle Group A (Water) With 6 Samples:

Bottle Type: P-1L	Number of Bottles: 6	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-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-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO ₄ -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: P-1L	Number of Bottles: 6	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
Bottle Type: BP-1L	Number of Bottles: 6	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: 6	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		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template: PRTY	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		

Bottle Group A (Water) With 6 Samples:

Bottle Type: P-500ML	Number of Bottles: 6	Preserved With: HNO3
W-ICPMS	Template: PRTY	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Cadmium
Chromium
Copper
Lead
Silver

Bottle Type: P-500ML	Number of Bottles: 6	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: 6	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 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	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

Chromium
Iron
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
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Arsenic
Cadmium
Copper
Lead
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: 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 Type: P-1L	Number of Bottles: 1	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-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-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited

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

RQ-2016-04-04-56

Log-in Checklist

Shipping Method: FederDate/Time of Receipt: 4-5-16/9:30

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape		Tracking # (fill out only if waybill copy is damaged)
			Present? Yes No	*Intact? Yes No	
Red	0.9	12		✓	809478033227
Red	*-0.9	12		✓	782742267721
Red	*-0.2	18		✓	782742267732
SAMPLES NOT FROZEN					

*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: KH

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

Coolers Unpacked/Checked by: SK Date: 4-5-16

NCRs (Y/N)? N

Event ID: SE-DIST-2016-04-05-01

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 – Methyl Mercury Preservation Check:

Samples Preserved within 48 hours? Yes_____ No_____

Date and time samples preserved: _____

Additional Comments: