

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: SE-DIST

Project ID: SMP

Requester: Matt Sewell

Collected By: Rachel Brewster

Field Report Prepared By: James Pitts

Sampling Agency: 21 FL WPB

Location	Florida City Canal at 117th ave and 344 street 3306 25.4480472, - 80.3795472 C kit	28040076 Field ID STORET 28040076	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/16/16 Time 11:30	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID			Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 10.7	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
STORET	Date:		Temp (C) 29.0	pH 7.8	Sample Depth 0.3	Sp. Conductance (umho/cm) 565	
Latitude	Time:	☐ dms	☐ dd ☐ dms	Salinity (ppt) 0.27	Comments		
Location	Florida City Canal (FC-09 Miami-Dade) 3306 25.447924, - 80.411906 C kit	G4SEFC09 Field ID STORET G4SEFC09	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/16/16 Time 11:45	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID			Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 7.4	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
STORET	Date:		Temp (C) 28.0	pH 7.4	Sample Depth 0.3	Sp. Conductance (umho/cm) 597	
Latitude	Time:	☐ dms	☐ dd ☐ dms	Salinity (ppt) 0.3	Comments		
Location	Florida City Canal (FC-15 Miami-Dade) 3306 25.447893, - 80.460864 C kit	G4SEFC15 Field ID STORET G4SEFC15	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/16/16 Time	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID			Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 7.3	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
STORET	Date:		Temp (C) 28.0	pH 7.5	Sample Depth 0.3	Sp. Conductance (umho/cm) 537	
Latitude	Time:	☐ dms	☐ dd ☐ dms	Salinity (ppt) 0.26	Comments		
Location	Florida City Canal (FC-15 Miami-Dade)		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/16/16 Time 12:05	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Field Blank		Matrix (type, e.g., Salt, Fresh, etc) DI	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B
STORET #	G4SEFC15		Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)	
Latitude	Longitude	☐ dd ☐ dms	☐ dd ☐ dms	Salinity (ppt)	Comments		

Relinquished By: James Pitts	Date/Time 5/16/16 17:00	Shipping Method Fed Ex	Number of Coolers Shipped: 3	Received By: CW	Date/Time 5/17/16 10:32
---------------------------------	----------------------------	---------------------------	---------------------------------	--------------------	----------------------------

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: SE-DIST

Project ID: SMP

Requester: Matt Sewell

Collected By:

Rachel Brewster

Field Report Prepared By: James Pitts

Sampling Agency: 21 FL WPP

Location Field ID MowryCan(C-103) @152 av 3302 25.474500, - 80.435833 C kit		G4SE0066 Field ID STORET G4SE0066		☐ Comp ☒ Grab Collection (comp begin or grab) Date 5/16/16 Time 12:45		Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
STC Date: Time:				Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 8.1 ☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)
Latit				Temp (C) 29.1		pH 7.8		Sample Depth 0.3
				☐ dd ☐ dms Salinity (ppt) 0.3		Comments		☐ ft ☒ m Sp. Conductance (umho/cm) 587
Location Field ID C-103 N SW 288ST & SW 142 AV 3302 25.499783, - 80.418800 C kit		G4SE0065 Field ID STORET G4SE0065		☐ Comp ☒ Grab Collection (comp begin or grab) Date 5/16/16 Time 13:15		Eastern Central	Composite end Date Time	Bottle Group(s)
STOR Date: Time:				Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 8.3 ☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)
Latitud				Temp (C) 28.2		pH 7.7		Sample Depth 0.3
				☐ dd ☐ dms Salinity (ppt) 0.3		Comments		☐ ft ☒ m Sp. Conductance (umho/cm) 623
Location Field ID C-102 @ SW 248th St 3300 25.536550, - 80.404753 C kit		G4SE0064 Field ID STORET G4SE0064		☐ Comp ☒ Grab Collection (comp begin or grab) Date 5/16/16 Time 14:00		Eastern Central	Composite end Date Time	Bottle Group(s)
STORE Date: Time:				Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 5.5 ☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)
Latitude				Temp (C) 26.5		pH 7.3		Sample Depth 0.3
				☐ dd ☐ dms Salinity (ppt) 0.31		Comments		☐ ft ☒ m Sp. Conductance (umho/cm) 649
Location Field ID C-102 @ SW 248th St & South of bridge 3300 25.534725, - 80.404130 C kit		G4SE0073 Field ID STORET G4SE0073		☐ Comp ☒ Grab Collection (comp begin or grab) Date 5/16/16 Time 14:05		Eastern Central	Composite end Date Time	Bottle Group(s)
STOI Date: Time:				Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 4.6 ☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)
Latit				Temp (C) 26.3		pH 7.2		Sample Depth 0.3
				☐ dd ☐ dms Salinity (ppt) 0.3		Comments		☐ ft ☒ m Sp. Conductance (umho/cm) 648

Relinquished By: James Pitts	Date/Time 5/16/16 17:00	Shipping Method Fed Ex	Number of Coolers Shipped: 3	Received By: CL	Date/Time 5/17/16 10:32
---------------------------------	----------------------------	---------------------------	---------------------------------	--------------------	----------------------------

SMP-Orange Run

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: SE-DIST

Requester: Matt Sewell

Field Report Prepared By:

James Pats

Project ID: SMP

Collected By:

Rachel Brewton

Sampling Agency:

21 FLWPR

Location C-102N @ SW 248th St 3300 25.536972, -80.389598 C kit	G4SE0077 Field ID STORET G4SE0077	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>5/16/16</u> Time <u>14:40</u>	Eastern Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2) <u>A</u>	
Field ID		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>7.51</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STO		Temp (C) <u>26.5</u>	pH <u>7.4</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m		Sp. Conductance (umho/cm) <u>638</u>
Latitu		Salinity (ppt) <u>0.31</u>	Comments				
☐ dms ☐ dms							

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

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: <u>James Pats</u>	Date/Time <u>5/16/16</u> <u>17:00</u>	Shipping Method <u>FedEx</u>	Number of Coolers Shipped: <u>3</u>	Received By: <u>C</u>	Date/Time <u>5/17/16 10:32</u>
---------------------------------------	--	---------------------------------	--	--------------------------	-----------------------------------

Group: A	Bottle Type:	P-1L	# of Bottles: 15	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 15	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 15	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	7
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 15	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	7
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 15	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	7
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP						
	W-ICPMS						

Group: B	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: B	Bottle Type:	P-125ML	# of Bottles: 2	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	____/_____
	W-PO4-F					

Date of Request: 26-APR-2016
 Created By: SEWELL_M On: 26-APR-2016
 Modified By: LURDING_K On: 06-MAY-2016
 Customer: SE-DIST
 Project: SMP
 Division:
 District: Southeast District
 Sampling Event: SMP-Orange Run

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: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: LURDING_K On: 06-MAY-2016
 Biology Request Reviewed By: LURDING_K On: 06-MAY-2016
 Sampling Kit Required: YES Ship on: 06-MAY-2016
 Sampling Kit Shipped: YES On: 06-MAY-2016
 Sampling Kit Packed By: KITCHEN_S
 Preservatives Needed: NO
 Date to Receive Samples: 16-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 = samples
 Bottle Group B = field blank

Bottle Group A (Water) With 15 Samples:

Bottle Type: P-1L	Number of Bottles: 15	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: BP-1L	Number of Bottles: 15	Preserved With: ICE
CHLSUITE-W	Template:	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 15	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		
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		

Bottle Group A (Water) With 15 Samples:

Bottle Type: P-500ML Number of Bottles: 15 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

Copper
 Lead
 Silver

Bottle Type: P-500ML Number of Bottles: 15 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: 15 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 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 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: P-500ML Number of Bottles: 2 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: 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

RQ- 2016-05-16-37

Log-in Checklist

Shipping Method: FedexDate/Time of Receipt: 5/17/16 10:32

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	1.6	14		☒			7830 8847 8540
Red	2.1	15		☒			7830 8847 8561
Blue	1.8	15		☒			7830 8847 8550

*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: ☒

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

Coolers Unpacked/Checked by: W Date: 5/17/16

NCRs (Y/N)? ☒ Y ☐ N kh

Event ID: SE-DIST-2016-05-17-01

NCR # 5890

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: