

SMP- Everglades Run

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: SE-DIST

Requester: Matt Sewell

Field Report Prepared By:

Project ID: SMP

Collected By: R. Brewton & J. Pitts

Sampling Agency:

R. Brewton
FDEP SE ROC

Location WCA 3 L-670 S-151	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 06/01/16 Time 10:50	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID G5SE0041	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 2.1	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____	B
STORET # G5SE0041	Temp (C) 26.9	pH 7.3	Sample Depth 0.3	Sp. Conductance (umho/cm) 547	
Latitude 26.0116131 ☒ dd ☐ dms	Longitude -80.5099455 ☒ dd ☐ dms	Salinity (ppt) 0.26	Comments		
Location WCA 2B0 S-141	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 06/01/16 Time 11:45	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID G5SE0040	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 4.5	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____	B
STORET # G5SE0040	Temp (C) 28.2	pH 7.5	Sample Depth 0.3	Sp. Conductance (umho/cm) 757	
Latitude 26.1505159 ☒ dd ☐ dms	Longitude -80.442263 ☒ dd ☐ dms	Salinity (ppt) 0.37	Comments		
Location WCA 1 L39 Canal	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 06/01/16 Time 13:10	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID G5SE0019	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 3.2	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____	B
STORET # G5SE0019	Temp (C) 28.8	pH 7.3	Sample Depth 0.3	Sp. Conductance (umho/cm) 682	
Latitude 26.470475 ☒ dd ☐ dms	Longitude -80.4449972 ☒ dd ☐ dms	Salinity (ppt) 0.33	Comments		
Location WCA 1-L-7 NE of SL structure	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 06/01/16 Time 13:20	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID G5SE0018	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 2.8	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____	B
STORET # G5SE0018	Temp (C) 30.1	pH 7.3	Sample Depth 0.3	Sp. Conductance (umho/cm) _____	
Latitude 26.4733861 ☒ dd ☐ dms	Longitude -80.449444 ☒ dd ☐ dms	Salinity (ppt) 0.32	Comments		

Relinquished By: JP & JP	Date/Time 06/01/16 10:00	Shipping Method Fed-ex	Number of Coolers Shipped: 2	Received By: Cu	Date/Time 6/2/16 10:30
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Group: A Bottle Type: P-1L # of Bottles: 3 Preservative: ICE Enter Number of Bottles Sent to Lab 8

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

Group: A Bottle Type: BP-1L # of Bottles: 3 Preservative: ICE Enter Number of Bottles Sent to Lab 8

CHLSUITE-W

Group: A Bottle Type: P-500ML # of Bottles: 3 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: 3 Preservative: ICE-FLTR Enter Number of Bottles Sent to Lab 8

W-PO4-F

Group: B Bottle Type: P-1L # of Bottles: 3 Preservative: ICE Enter Number of Bottles Sent to Lab 4

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 4

CHLSUITE-W

Group: B Bottle Type: P-500ML # of Bottles: 3 Preservative: HNO3 Enter Number of Bottles Sent to Lab 4

W-ICP
W-ICPMS

Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>4</u>
	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	<u>4</u>
	W-PO4-F					

Date of Request: 09-MAY-2016
 Created By: SEWELL_M On: 09-MAY-2016
 Modified By: SWANSON_C On: 11-MAY-2016
 Customer: SE-DIST
 Project: SMP
 Division:
 District: Southeast District
 Sampling Event: SMP- Everglades 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: WATTS_J On: 11-MAY-2016
 Biology Request Reviewed By: SWANSON_C On: 11-MAY-2016
 Sampling Kit Required: YES Ship on: 20-MAY-2016
 Sampling Kit Shipped: YES On: 21-MAY-2016
 Sampling Kit Packed By: KITCHEN_S
 Preservatives Needed: NO
 Date to Receive Samples: 30-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 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 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: 3	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: 3	Preserved With: ICE And H ₂ SO ₄
W-NH ₃	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO ₂ NO ₃	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-PO ₄ -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 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)		

Bottle Group B (Water) With 3 Samples:

Bottle Type: P-1L	Number of Bottles: 3	Preserved With: ICE
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:	(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- 2016-05-30-26

Shipping Method: Fedex

Date/Time of Receipt: 6/2/16 10:30

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	0.3	20		✓			7832 5643 6289

*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: cu

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

Coolers Unpacked/Checked by: cu Date: 6/2/16 NCRs (Y/N)? N

Event ID: SE-DESI-2016-06-02-02 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: