Request Number: RQ-2016-10-24-09

Key Largo week of 10/24

Florida Department of Environmental Protection

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: SE-DIST

Project ID: SMP

Requester: Jordan Skaggs

Collected By: Jordan Skaggs, Matt Sewell

Field Report Prepared By: Jordan Skaggs

Sampling Agency: FDEP

Location: Long Sound - Western Bay		☐ Comp ☑ Grab	Collection (comp begin or grab) Date 11/22/2016 Time 11:00	(Eastern) Central	Composite end Date Time	Bottle Group(s) (See pg 2): 4
Field ID: G5SE0054		Matrix (type, e.g., Salt, Fresh, etc): Salt		Diss. Oxygen: 7.3 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET #: G5SE0054		Temp (C): 20.5	pH: 8.0	Sample Depth: 0.3 ☐ ft ☑ m	Sp. Conductance (umho/cm): 39811	
Latitude: 25.221791 ☑ dd ☐ dms	Longitude: -80.48518 ☑ dd ☐ dms	Salinity (ppt): 25.5	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			
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:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
FDEP	11/22/2016	Fedex	2	SK	11.23.16/1010

Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY TURBIDITY W-CL-IC W-F W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 5	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: 5	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					

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Request Number: RQ-2016-10-24-09

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Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: SE-DIST

Project ID: SMP

Requester: Jordan Skaggs

Field Report Prepared By: Jordan Skaggs

Collected By: Jordan Skaggs, Matt Sewell

Sampling Agency: FDEP

Location: Barnes Sound Southeast of Main Key	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 11/22/2016 Time 9:30	Eastern / Central	Composite end Date	Time					Bottle Group(s) (See pg 2): A
Field ID: G5SE0053		Matrix (type, e.g., Salt, Fresh, etc): salt		Diss. Oxygen: 7.5	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L): —				
STORET #: G5SE0053		Temp (C): 21.1	pH: 8.0	Sample Depth: 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm): 44735				
Latitude: 25.229167 ☑ dd ☐ dms	Longitude: -80.389000 ☑ dd ☐ dms	Salinity (ppt): 29.0	Comments:							
Location: Manatee Bay @ Center	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 11/22/2016 Time 9:50	Eastern / Central	Composite end Date	Time					Bottle Group(s): A
Field ID: G5SE0052		Matrix (type, e.g., Salt, Fresh, etc): salt		Diss. Oxygen: 7.6	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L): —				
STORET #: G5SE0052		Temp (C): 20.4	pH: 8.0	Sample Depth: 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm): 40033				
Latitude: 25.25069 ☑ dd ☐ dms	Longitude: -80.41868 ☑ dd ☐ dms	Salinity (ppt): 25.6	Comments:							
Location: Blackwater Sound - Northern Bay	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 11/22/2016 Time 10:20	Eastern / Central	Composite end Date	Time					Bottle Group(s): A
Field ID: G5SE0056		Matrix (type, e.g., Salt, Fresh, etc): salt		Diss. Oxygen: 7.8	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L): —				
STORET #: G5SE0056		Temp (C): 20.9	pH: 8.0	Sample Depth: 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm): 44943				
Latitude: 25.184667 ☑ dd ☐ dms	Longitude: -80.425669 ☑ dd ☐ dms	Salinity (ppt): 29.1	Comments:							
Location: Little Blackwater Sound @ Center	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 11/22/2016 Time 10:40	Eastern / Central	Composite end Date	Time					Bottle Group(s): A
Field ID: G5SE0055		Matrix (type, e.g., Salt, Fresh, etc): salt		Diss. Oxygen: 7.8	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L):				
STORET #: G5SE0055		Temp (C): 20.6	pH: 8.0	Sample Depth: 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm): 41677				
Latitude: 25.211680 ☑ dd ☐ dms	Longitude: -80.443320 ☑ dd ☐ dms	Salinity (ppt): 26.8	Comments:							

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
FDEP	11/22/2016	Fedex	2	SK	11.23.16/10:10

Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____

ALKALINITY
TURBIDITY
W-CL-IC
W-F
W-TSS

Group: A	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____

CHLSUITE-W

Group: A	Bottle Type:	P-500ML	# of Bottles: 5	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: 5	Preservative:	ICE-FLTR	**Enter Number of Bottles Sent to Lab** _____

W-PO4-F

RQ-2016-10-24-09

Date of Request: 06-SEP-2016
Created By: SKAGGS_J On: 06-SEP-2016
Modified By: MATTHEWS_D On: 10-OCT-2016
Customer: SE-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: Southeast District
Sampling Event: Key Largo week of 10/24

Send Coolers To:

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

Send Final Report To:

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: 05-OCT-2016
Biology Request Reviewed By: MATTHEWS_D On: 10-OCT-2016
Sampling Kit Required: YES Ship on: 18-OCT-2016
Sampling Kit Shipped: YES On: 17-OCT-2016
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: NO
Date to Receive Samples: 27-OCT-2016
Received By:

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

Comments:

Bottle Group A (Water) With 5 Samples:

Bottle Type: P-1L Number of Bottles: 5 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-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

Bottle Type: BP-1L Number of Bottles: 5 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: 5 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: 5 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- 2016-10-24-09

Shipping Method: Fedex

Date/Time of Receipt: 11-23-16 / 10:10

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	12		✓			
Blue	0.8	8					

*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: SK

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

Coolers Unpacked/Checked by: SK Date: 11-23-16 NCRs (Y/N)? N

Event ID: SE-DIST-2016-11-23-01 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 – 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:

Do Not Lift Using This Tag

ORIGIN ID:SL
JORDON SKAGGS
FDEP
2199 S ROCK RD

FORT PIERCE, FL 34945
UNITED STATES US

SHIP DATE: 22NOV16
ACTWGT: 61.00 LB
CAD: 006995042/SSFE1722
DIMS: 22x15x16 IN

BILL RECIPIENT

TO SAMPLE RECEIVING
FLORIDA DEP/ CHEMISTRY DEPT
2600 BLAIRSTONE RD

TALLAHASSEE FL 32399
(850) 245-8086

INV:
PO:
REF:
DEPT:

FedEx Express

1 of 2
TRK# 0201 7847 2806 9235
MASTER

WED - 23 NOV 10:30A
PRIORITY OVERNIGHT

36 TLHA

32399
FL-US TLH

Do Not Lift Using This Tag

ORIGIN ID:SUAA (772) 579-3039
JORDON SKAGGS
FDEP
2199 S ROCK RD

FORT PIERCE, FL 34945
UNITED STATES US

SHIP DATE: 22NOV16
ACTWGT: 50.60 LB
CAD: 006995042/SSFE1722
DIMS: 22x15x16 IN

BILL RECIPIENT

TO SAMPLE RECEIVING
FLORIDA DEP/ CHEMISTRY DEPT
2600 BLAIRSTONE RD

TALLAHASSEE FL 32399
(850) 245-8086

INV:
PO:
REF:
DEPT:

FedEx Express

2 of 2
MPS# 0263 7847 2806 9246
Mstr# 7847 2806 9235 0201

WED - 23 NOV 10:
PRIORITY OVERNI

36 TLHA

32
FL-US