

SMP-Keys Run

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: SE-DIST

Requester: Matt Sewell

Field Report Prepared By: Drew Liddick

Project ID: SMP

Collected By: Drew Liddick

Sampling Agency: 21FLWSPB

Location Barnes Sound		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 6/15/17 Time 1240		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID G55E0053		Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 6.3		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
STORET # G55E0053		Temp (C) 29.5		pH 8.0		Sample Depth 0.3		☐ ft ☒ m			
Latitude 25.229167		☒ dd ☐ dms		Longitude -80.389000		☒ dd ☐ dms		Salinity (ppt) 38.37		Comments	
Location Route 1 Key A (Pirate hat marina)		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 6/15/17 Time 1255		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID G45E0093		Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 5.4		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		B	
STORET # G45E0093		Temp (C) 29.4		pH 7.9		Sample Depth 0.3		☐ ft ☒ m			
Latitude 25.231817		☒ dd ☐ dms		Longitude -80.429335		☒ dd ☐ dms		Salinity (ppt) 32.50		Comments	
Location Route 1 Key A (Pirate hat marina)		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 6/15/17 Time 1300		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID BLANK		Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		C	
STORET #		Temp (C)		pH		Sample Depth		☐ ft ☐ m			
Latitude 25.231817		☒ dd ☐ dms		Longitude -80.429335		☒ dd ☐ dms		Salinity (ppt)		Comments	
Location Manatee Bay @ Center		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 6/15/17 Time 1310		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID G55E0052		Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 6.0		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
STORET # G55E0052		Temp (C) 29.3		pH 8.0		Sample Depth 0.3		☐ ft ☒ m			
Latitude 25.250690		☒ dd ☐ dms		Longitude -80.418680		☒ dd ☐ dms		Salinity (ppt) 25.99		Comments	

Relinquished By: Drew Liddick	Date/Time 6/15/17 1020 pm	Shipping Method FEDEX	Number of Coolers Shipped: 3	Received By: SR	Date/Time 6/16/17/9:55
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Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	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					
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-F					
	W-TSS					
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					

SMP-Keys 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:

Sampling Agency:

Location <u>Blackwater Sound</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>6/15/17</u> Time <u>1330</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID <u>G5SE0056</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Salt</u>		Diss. Oxygen <u>7.3</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET # <u>G5SE0056</u>		Temp (C) <u>29.7</u>	pH <u>8.2</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>57940</u>
Latitude <u>25.184667</u>	☒ dd ☐ dms	Longitude <u>-80.425669</u>	☒ dd ☐ dms	Salinity (ppt) <u>38.50</u>	Comments	
Location <u>Little Blackwater Sound</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>6/15/17</u> Time <u>1345</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID <u>G5SE0055</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Salt</u>		Diss. Oxygen <u>6.6</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET # <u>G5SE0055</u>		Temp (C) <u>29.7</u>	pH <u>8.0</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>57680</u>
Latitude <u>25.211680</u>	☒ dd ☐ dms	Longitude <u>-80.443320</u>	☒ dd ☐ dms	Salinity (ppt) <u>38.31</u>	Comments	
Location <u>Long Sound</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>6/15/17</u> Time <u>1400</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID <u>G5SE0054</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Salt</u>		Diss. Oxygen <u>6.3</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET # <u>G5SE0054</u>		Temp (C) <u>30.4</u>	pH <u>8.0</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>56473</u>
Latitude <u>25.221791</u>	☒ dd ☐ dms	Longitude <u>-80.45180</u>	☒ dd ☐ dms	Salinity (ppt) <u>37.38</u>	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

Drew Liddick6/15/17 620pmFEDEX3SR6/16/17/9:55

Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	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					
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-F					
	W-TSS					
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					

Date of Request: 30-MAR-2017
 Created By: SEWELL_M On: 30-MAR-2017
 Modified By: MATTHEWS_D On: 20-APR-2017
 Customer: SE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Southeast District
 Sampling Event: SMP-Keys Run

Send Coolers To:

Phone: (772) 448-5883
 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: 17-APR-2017
 Biology Request Reviewed By: MATTHEWS_D On: 20-APR-2017
 Sampling Kit Required: YES Ship on: 25-APR-2017
 Sampling Kit Shipped: YES On: 25-APR-2017
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 08-MAY-2017
 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: Sampler comments:
 Bottle group A = Sites
 Bottle group B = 6002A (pirate hat marina)
 Bottle group C = Blank

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-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

Bottle Group B (Water) With 1 Samples:

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-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
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

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: PRTY	(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		
Nickel		
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 Group C (Water) With 1 Samples:

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-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
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: PRTY	(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		
Nickel		
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

Log-in Checklist

RQ-201708-0814

Shipping Method: Fedex

Date/Time of Receipt: 6-16-17/9:55

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	-0.2	9		✓			
Blue	0.4	8		✓			786895264367
Red	0.8	12		✓			786895264378

*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			W-CT-CI-R		

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No NA Init: SR

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

Coolers Unpacked/Checked by: SR Date: 6-16-17

NCRs (Y/N)? N

Event ID: SE-DIST-2017-06-16-01

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 1

Align FedEx Pouch Here

Do Not Lift Using This Tag

0035

01000

19369

fedex.com 1800.GoFedEx 1800.463.3339

06435039

FedEx Package
Express **US Airbill**

FedEx
Tracking
Number

8113 0562 6900

1 From

Date

Sender's
Name

Phone

Company

Address

City

State

ZIP

2 Your Internal Billing Reference

3 To

Recipient's
Name

Phone

Company

Address

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City

State

ZIP



8113 0562 6900

RT 856
FZ 10:30
B 6900
06:16

ORIGIN ID:SUAA (850) 245-8085
FLORIDA DEP/CHEMISTRY SECTION

2600 BLAIRSTONE RD

TALLAHASSEE, FL 323996542
UNITED STATES US

TO

FLORIDA DEP/CHEMISTRY SECTION
2600 BLAIRSTONE RD

TALLAHASSEE FL 32399

(850) 245-8085

YNU:

PO:

REF:

DEPT:



FedEx
Express



1 of 3
TRK# 8113 0562 6900
0215
MASTER

36 TLHA

FRI - 16 JUN 10:30A
PRIORITY OVERNIGHT

32399
FL-US TLH



☒ No ☐ Yes ☐ Yes ☐ Yes
As per attached Shipper's Declaration not required. Shipper's Declaration not required.
Restrictions apply for dangerous goods — see the current FedEx Service Guide.

Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. ☐
☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
Total Weight 262 lbs. Credit Card Auth. ☐

ad to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.

Inv. Date 6/15/17 • Part #183134 • ©1994-2015 FedEx • PRINTED IN U.S.A. SRM

Part # 156297-435 H12 EX1 0318** 1356297-435 H12 EX1 0318** 51/90 1511629