

SMP: Florida Keys

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: SO-DIST

Requester: Benjamin Paswater

Field Report Prepared By:

Kaitlin D.

Project ID: SMP

Collected By:

Corey A. Kaitlin D.

Sampling Agency:

SPR

Location	RQ-2016-08-02-09		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/23/16 Time 1020	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)	
Field ID	8/23/2016 WBID 8073	G5SD0062 Field ID STORET G5SD0062	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 6.2	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A	
STORET #	8073 #1 South of Ft. Zach		Temp (C) 31.5	pH 8.2	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 55410		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 36.6	Comments 103% sat				
Location	RQ-2016-08-02-09		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/23/16 Time 1100	Eastern Central	Composite end Date	Time	Bottle Group(s)	
Field ID	8/23/2016 WBID 8073	G5SD0063 Field ID STORET G5SD0063	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 5.6	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A	
STORET #	8073 #2		Temp (C) 31.6	pH 8.4	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 55556		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 36.8	Comments 94% sat				
Location	RQ-2016-08-02-09		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/23/16 Time 1040	Eastern Central	Composite end Date	Time	Bottle Group(s)	
Field ID	8/23/2016 WBID 8073	G5SD0064 Field ID STORET G5SD0064	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 6.0	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) 55172	A	
STORET #	8073 #3 ENRG6		Temp (C) 30.5	pH 8.4	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm)		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 36.4	Comments 97% sat				
Location	RQ-2016-08-02-09		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/23/16 Time 1210	Eastern Central	Composite end Date	Time	Bottle Group(s)	
Field ID	8/23/2016 WBID 8073	G5SD0065 Field ID STORET G5SD0065	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 5.9	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A	
STORET #	8073 #4 ENRG2		Temp (C) 31.3	pH 8.3	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 55685		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 36.8	Comments 98% sat				

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Kaitlin D.	8/23/16 1700	FedEx	3		8-24-16/1020

Group: A	Bottle Type:	P-1L	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-F					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 14	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP					
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 14	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: 14	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					

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Corey A. Kaitlin D.

Sampling Agency:

SROC

Location	RQ-2016-08-02-09		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/23/16 Time 1130	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID	8/23/2016 WBID 8073	G5SD0066 Field ID STORET G5SD0066	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 3.6	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #	8073 #5 ENRG1		Temp (C) 32.2	pH 8.1	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 56443
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 37.3	Comments		
Location	RQ-2016-08-02-09		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/23/16 Time 1000	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
Field ID	8/23/2016 WBID 8079	G5SD0067 Field ID STORET G5SD0067	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 0.3	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #	8079-ENRG3 South of Stock Island		Temp (C) 31.5 30	pH 8.3	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 55642
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 36.7	Comments 104‰ sat		
Location	RQ-2016-08-02-09		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/23/16 Time 0945	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
Field ID	8/23/2016 WBID 8079	G5SD0068 Field ID STORET G5SD0068	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 6.0	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #	8079-ENRG6 Out by reef		Temp (C) 30.5	pH 8.1	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 55168
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 36.4	Comments 98‰ sat		
Location	RQ-2016-08-02-09		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/23/16 Time 0850	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
Field ID	8/23/2016 WBID 8080	G5SD0069 Field ID STORET G5SD0069	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 6.1	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #	8080-ENRG6 Out by reef		Temp (C) 31.0	pH 8.2	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 55364
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 6.5	Comments 99‰ sat		

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Kaitlin D.	8/23/16 1700	FedEx	3	APB	8-24-16/1020



Form Sample 08-24-16

Group: A	Bottle Type:	P-1L	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-F					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 14	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 14	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP					
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 14	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: 14	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					

10 each

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Kaitlin D.

Project ID: SMP

Collected By:

Corey A. Kaitlin D.

Sampling Agency:

SROC

Location	RQ-2016-08-02-09		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/23/16 Time 8:30	☒ Eastern ☐ Central	Composite end Date	Time	Bottle Group(s) (See pg 2)	
Field ID	8/23/2016 WBID 8080	G5SD0070 Field ID STORET G5SD0070	Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 6.0	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A	
STORET #	8080-ENRG3 Nearshore		Temp (C) 30.5	pH 8.1	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 55168		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 36.4	Comments 78% sat				
Location	RQ-2016-08-02-09		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/23/16 Time 1625	☒ Eastern ☐ Central	Composite end Date	Time	Bottle Group(s)	
Field ID	8/23/2016	G5SD-Blank2 Field ID STORET Blank	Matrix (type, e.g., Salt, Fresh, etc) DI		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A	
STORET #	Field Blank		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	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	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
Kaitlin D.	8/23/16 1700	FedEx	3	AB	8-24-16/1020

Collection time from sample. 8-24-16

Group: A Bottle Type: P-1L # of Bottles: 14 Preservative: ICE Enter Number of Bottles Sent to Lab _____

ALKALINITY
TURBIDITY
W-F
W-TSS

Group: A Bottle Type: BP-1L # of Bottles: 14 Preservative: ICE Enter Number of Bottles Sent to Lab _____

CHLSUITE-W

Group: A Bottle Type: P-500ML # of Bottles: 14 Preservative: HNO3 Enter Number of Bottles Sent to Lab _____

W-ICP
W-ICPMS

10 each

Group: A Bottle Type: P-500ML # of Bottles: 14 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: 14 Preservative: ICE-FLTR Enter Number of Bottles Sent to Lab _____

W-PO4-F

Date of Request: 06-JUL-2016
 Created By: PASWATER_B On: 06-JUL-2016
 Modified By: MATTHEWS_D On: 03-AUG-2016
 Customer: SO-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: South District
 Sampling Event: SMP: Florida Keys

Send Coolers To:

Phone: 239-332-6975 SC 748-6975
 FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901
 Attn: Ben Paswater

Program Module Number:
 Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 02-AUG-2016
 Biology Request Reviewed By: MATTHEWS_D On: 03-AUG-2016
 Sampling Kit Required: YES Ship on: 12-AUG-2016
 Sampling Kit Shipped: YES On: 12-AUG-2016
 Sampling Kit Packed By: LASHLEY_C
 Preservatives Needed: YES
 Date to Receive Samples: 22-AUG-2016
 Received By: SHAIK_A On: 24-AUG-2016

Send Final Report To:

FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901
 Attn: Ben Paswater

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

Comments: Florida Keys (Salt Water D Kit)

1 - 60ml bottle of sulfuric acid, 10 pipettes OR 1 case of vials
 1 - case of nitric acid

Bottle Group A (Water) With 14 Samples:

Bottle Type: P-1L	Number of Bottles: 14	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-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: 14	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: 14	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
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: 14	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

Bottle Group A (Water) With 14 Samples:

Bottle Type: P-500ML	Number of Bottles: 14	Preserved With: ICE And H2SO4
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: 14	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- 2016-08-22-09

Log-in Checklist

Shipping Method: Fed ExpDate/Time of Receipt: 08-24-16 10:20

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	0.9C	15		✓			7839 0118 6612
Red	2.8C	19		✓			12 0677
Red		15		✓			24 1436

*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: ADD

Date: 8-24-16

NCRs (Y/N)?

Event ID: SMP: Florida Keys
SO-DIST-2016-08-24-01 (SMP)
Date Received: 24-AUG-2016 10:20

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: