

SMP: Florida Keys

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: SO-DIST

Requester: Benjamin Paswater

Field Report Prepared By:

Rosemary Murphy

Project ID: SMP

Collected By: PM, BP

Sampling Agency:

SRAC

Location RQ-2017-01-09-05 2/8/2017 WBID 8073 8073 #1 South of Ft. Zach	G5SD020817-1 Field ID STORET G5SD0062	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/8/17 Time 1240	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 100	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)
		Temp (C) 24.6	pH 8.1	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 54451
		☐ dd ☐ dms	Salinity (ppt)	Comments		
Location RQ-2017-01-09-05 2/8/2017 WBID 8073 8073 #2	G5SD020817-2 Field ID STORET G5SD0063	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/8/17 Time 1340	Eastern Central	Composite end Date Time	Bottle Group(s)
		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 99	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)
		Temp (C) 25.5	pH 8.1	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 55612
		☐ dd ☐ dms	Salinity (ppt)	Comments		
Location RQ-2017-01-09-05 2/8/2017 WBID 8073 DATE: 8073 #3 ENRG6	G5SD020817-3 Field ID STORET G5SD0064	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/8/17 Time 1310	Eastern Central	Composite end Date Time	Bottle Group(s)
		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 100	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)
		Temp (C) 25.2	pH 8.1	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 55126
		☐ dd ☐ dms	Salinity (ppt)	Comments		
Location RQ-2017-01-09-05 2/8/2017 WBID 8073 8073 #4 ENRG2	G5SD020817-4 Field ID STORET G5SD0065	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)
		☐ dd ☐ dms	Salinity (ppt)	Comments		

Relinquished By: Rosemary Murphy	Date/Time 2/8/17 1800	Shipping Method Fed Ex	Number of Coolers Shipped: 3	Received By: SRK	Date/Time 2/9/17/1005
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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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Collected By: RM, BP

Sampling Agency:

SROC

Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
RQ-2017-01-09-05 2/8/2017 WBID 8073 8073 #5 ENRG1		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
G5SD020817-5 Field ID STORET G5SD0066		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)
☐ dms	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	☐ Comp ☒ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Time	Bottle Group(s)
RQ-2017-01-09-05 2/8/2017 WBID 8079 DATE: 8079-ENRG3 South of Stock Island		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
G5SD020817-6 Field ID STORET G5SD0067		Temp (C) 25.0	pH 8.1	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 54800
☐ dms	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	☐ Comp ☒ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Time	Bottle Group(s)
RQ-2017-01-09-05 2/8/2017 WBID 8079 DATE: 8079-ENRG6 Out by reef		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
G5SD020817-7 Field ID STORET G5SD0068		Temp (C) 24.7	pH 8.1	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 53998
☐ dms	☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	☐ Comp ☒ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Time	Bottle Group(s)
RQ-2017-01-09-05 2/8/2017 WBID 8080 8080-ENRG6 Out by reef		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
G5SD020817-8 Field ID STORET G5SD0069		Temp (C) 24.4	pH 8.1	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 53998
☐ dms	☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Rosemary Murphy	2/8/17 1800	FedEx	3	SK	2-9-17/10:05

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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Requester: Benjamin Paswater

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/8/17</u> Time <u>1019</u>		☒ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2)
RQ-2017-01-09-05 2/8/2017 WBID 8080 8080-ENRG3 Nearshore		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>97</u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)		A
G5SD020817-9 Field ID STORET G5SD0070		Temp (C) <u>23.5</u>	pH <u>8.1</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>52941</u>		
☐ dd ☐ dms		Salinity (ppt) <u>36.0</u>	Comments					
Location		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2/8/17</u> Time <u>0945</u>		☒ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s)
RQ-2017-01-09-05 2/7/2017 WBID 6012C 6012C by Bridge No Name Key		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>98</u>	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)		A
G5SD020717-5 Field ID STORET G5SD0071		Temp (C) <u>24.6</u>	pH <u>8.1</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>54858</u>		
☐ 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>Rosemary Murphy</u>	Date/Time <u>2/8/17 1800</u>	Shipping Method <u>FedEx</u>	Number of Coolers Shipped: <u>3</u>	Received By: <u>SK</u>	Date/Time <u>2-9-17/10:05</u>
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Group: A	Bottle Type: P-1L	# of Bottles: 14	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
ALKALINITY TURBIDITY W-F W-TSS					
Group: A	Bottle Type: BP-1L	# of Bottles: 14	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
CHLSUITE-W					
Group: A	Bottle Type: P-500ML	# of Bottles: 14	Preservative: HNO3	Enter Number of Bottles Sent to Lab	7
W-ICP W-ICPMS					
Group: A	Bottle Type: P-500ML	# of Bottles: 14	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: 14	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	7
W-PO4-F					

Date of Request: 30-NOV-2016
 Created By: PASWATER_B On: 30-NOV-2016
 Modified By: MATTHEWS_D On: 20-DEC-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: 15-DEC-2016
 Biology Request Reviewed By: MATTHEWS_D On: 20-DEC-2016
 Sampling Kit Required: YES Ship on: 09-JAN-2017
 Sampling Kit Shipped: YES On: 08-JAN-2017
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: YES
 Date to Receive Samples: 09-JAN-2017
 Received By: REYNOLDS_T On: 08-FEB-2017

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 - case of Sulfuric acid
- 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

Log-in Checklist

RQ- 2017-01-09-05

Shipping Method: Fedex

Date/Time of Receipt: 2-9-17/10:05

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	0.7	20		✓			810414060793
Red	2.1	16		✓			185552660994

*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: 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: 2-9-17

NCRs (Y/N)? Y

Event ID: SO-DIST-2017-02-09-01

NCR # 6245

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: