

Florida Department of Environmental Protection

Central Laboratory Submittal Form

SMP: Florida Keys

last revised Apr 7, 2016

Customer: SO-DIST

Requester: Benjamin Paswater

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location RQ-2017-06-05-10 6/14/2017 WBID 8073 8073 @ ENRG6 Out by Reef #2		Field ID G5SD061417-5 Field ID STORET G5SD0083		☐ Comp ☒ Grab Collection (comp begin or grab) Date 6/14/17 Time 1345		Eastern ☒ Central Composite end Date Time		Bottle Group(s) (See pg 2)	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 6.0 92		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		A	
Temp (C) 28.1		pH 8.1		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 53448	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms		Comments			
Location RQ-2017-06-05-10 6/14/2017 WBID 8079 8079 @ ENRG3 Nearshore #2		Field ID G5SD061417-10 Field ID STORET G5SD0084		☐ Comp ☒ Grab Collection (comp begin or grab) Date 6/14/17 Time 1220		Eastern ☒ Central Composite end Date Time		Bottle Group(s)	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 5.9 92		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		A	
Temp (C) 29.3		pH 8.1		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 54679	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms		Comments			
Location RQ-2017-06-05-10 6/14/2017 WBID 8079 8079 @ ENRG6 Out by Reef #1		Field ID G5SD061417-11 Field ID STORET G5SD0068		☐ Comp ☒ Grab Collection (comp begin or grab) Date 6/14/17 Time 1310		Eastern ☒ Central Composite end Date Time		Bottle Group(s)	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 6.5 95		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		A	
Temp (C) 28.1		pH 8.1		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms		Comments			
Location RQ-2017-06-05-10 6/14/2017 WBID 8079 8079 @ ENRG6 Out by Reef #2		Field ID G5SD061417-12 Field ID STORET G5SD0085		☐ Comp ☒ Grab Collection (comp begin or grab) Date 6/14/17 Time 1255		Eastern ☒ Central Composite end Date Time		Bottle Group(s)	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 6.5 105		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		A	
Temp (C) 28.5		pH 8.1		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 53907	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms		Comments			

Relinquished By: [Signature]	Date/Time 1522 6/14/17	Shipping Method FEDEX	Number of Coolers Shipped: 5	Received By: Tyler Reynolds	Date/Time 06/15/17
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9:50am

Group: A	Bottle Type:	P-1L	# of Bottles: 13	Preservative:	ICE	Enter Number of Bottles Sent to Lab	12
	ALKALINITY						
	TURBIDITY						
	W-F						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 13	Preservative:	ICE	Enter Number of Bottles Sent to Lab	12
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 13	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	12
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 13	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	12
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 13	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	12
	W-PO4-F						

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Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location RQ-2017-06-05-10 6/14/2017 WBID 8073 8073 #1 South of Ft. Zach		Field ID G5SD061417-1 STORET # G5SD0062		☐ Comp ☒ Grab Collection (comp begin or grab) Date 6/14/17 Time 1200		Eastern ☒ Composite end Central Date Time		Bottle Group(s) (See pg 2)	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 5.4		☒ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		A	
Temp (C) 29.0		pH 8.1		Sample Depth 0.3		☐ ft ☒ m Sp. Conductance (umho/cm) 54062			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms		Comments			
Location RQ-2017-06-05-10 6/14/2017 WBID 8073 8073 @ ENRG4 W of Keywest #1		Field ID G5SD061417-2 STORET # G5SD0063		☐ Comp ☒ Grab Collection (comp begin or grab) Date 6/14/17 Time 1405		Eastern ☒ Composite end Central Date Time		Bottle Group(s)	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 6.2		☒ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		A	
Temp (C) 29.3		pH 8.1		Sample Depth 0.3		☐ ft ☒ m Sp. Conductance (umho/cm) 54501			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms		Comments			
Location RQ-2017-06-05-10 6/14/2017 WBID 8073 8073 @ ENRG4 W of Keywest #2		Field ID G5SD061417-3 STORET # G5SD0081		☐ Comp ☒ Grab Collection (comp begin or grab) Date 6/14/17 Time 1415		Eastern ☒ Composite end Central Date Time		Bottle Group(s)	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 6.7		☒ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		X	
Temp (C) 29.3		pH 8.1		Sample Depth 0.3		☐ ft ☒ m Sp. Conductance (umho/cm) 5448.5			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms		Comments			
Location RQ-2017-06-05-10 6/14/2017 WBID 8073 8073 @ ENRG6 Out by Reef #1		Field ID G5SD061417-4 STORET # G5SD0064		☐ Comp ☒ Grab Collection (comp begin or grab) Date 6/14/17 Time 1430		Eastern ☒ Composite end Central Date Time		Bottle Group(s)	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		X	
Temp (C)		pH		Sample Depth		☐ ft ☐ m Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms		Comments			

Relinquished By:	Date/Time 1509 6/14/17	Shipping Method FEDEX	Number of Coolers Shipped: 3	Received By: Tyler Reynolds	Date/Time 06/15/17 @ 9:50.
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Group: A	Bottle Type:	P-1L	# of Bottles: 13	Preservative:	ICE	Enter Number of Bottles Sent to Lab	12
	ALKALINITY						
	TURBIDITY						
	W-F						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 13	Preservative:	ICE	Enter Number of Bottles Sent to Lab	12
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 13	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	12
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 13	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	12
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 13	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	12
	W-PO4-F						

Request Number: RQ-2017-06-05-10

Florida Department of Environmental Protection

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Page 1 of 2

SMP: Florida Keys

last revised Apr 7, 2016

Customer: SO-DIST

Requester: Benjamin Paswater

Field Report Prepared By:

Rosemary Murphy

Project ID: SMP

Collected By:

Rosemary Murphy Chase Conley

Sampling Agency:

SROC

Location RQ-2017-06-05-10 6/14/2017 WBID 8073 STORET # 8073 @ ENRG2 Bayside #1		Field ID G5SD061417-6 Field ID G5SD0065		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/14/17 Time 1105	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 5.8 8.9		☒ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		A
Temp (C) 29.1		pH 8.1		Sample Depth 0.3		Sp. Conductance (umho/cm) 53616		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) ☐ dd ☐ dms	Comments					
Location RQ-2017-06-05-10 6/14/2017 WBID 8073 STORET # 8073 @ ENRG2 Bayside #2		Field ID G5SD061417-7 Field ID G5SD0082		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/14/17 Time 1120	Eastern Central	Composite end Date Time	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 5.7 8.8		☒ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		A
Temp (C) 29.2		pH 8.1		Sample Depth 0.3		Sp. Conductance (umho/cm) 53575		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) ☐ dd ☐ dms	Comments					
Location RQ-2017-06-05-10 6/14/2017 WBID 8073 STORET # 8073 @ ENRG1 N of Dredgers Key		Field ID G5SD061417-8 Field ID G5SD0066		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/14/17 Time 1040	Eastern Central	Composite end Date Time	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 4.7 7.1		☒ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		A
Temp (C) 28.0		pH 7.9		Sample Depth 0.3		Sp. Conductance (umho/cm) 51584		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) ☐ dd ☐ dms	Comments					
Location RQ-2017-06-05-10 6/14/2017 WBID 8079 STORET # 8079 @ ENRG3 S of Stock Island		Field ID G5SD061417-9 Field ID G5SD0067		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/14/17 Time 1240	Eastern Central	Composite end Date Time	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 5.9 9.2		☒ mg/L ☒ % sat		Total Res. Chlorine (mg/L)		A
Temp (C) 29.4		pH 8.1		Sample Depth 0.3		Sp. Conductance (umho/cm) 53032		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) ☐ dd ☐ dms	Comments					

Relinquished By:	Date/Time 6/14/17	Shipping Method FEDEX	Number of Coolers Shipped: 3	Received By: Tyler Reynolds	Date/Time 6/15/17 @ 09:30
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Group: A	Bottle Type:	P-1L	# of Bottles: 13	Preservative:	ICE	Enter Number of Bottles Sent to Lab	12
	ALKALINITY						
	TURBIDITY						
	W-F						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 13	Preservative:	ICE	Enter Number of Bottles Sent to Lab	12
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 13	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	12
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 13	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	12
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 13	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	
	W-PO4-F						

Date of Request: 02-MAR-2017
 Created By: PASWATER_B On: 02-MAR-2017
 Modified By: SWANSON_C On: 17-MAY-2017
 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: 17-MAY-2017
 Biology Request Reviewed By: SWANSON_C On: 17-MAY-2017
 Sampling Kit Required: YES Ship on: 19-MAY-2017
 Sampling Kit Shipped: YES On: 19-MAY-2017
 Sampling Kit Packed By: REAVES_S
 Preservatives Needed: NO
 Date to Receive Samples: 05-JUN-2017
 Received By: SHAIK_A On: 14-JUN-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: SMP: Florida Keys

Bottle Group A (Water) With 13 Samples:

Bottle Type: P-1L	Number of Bottles: 13	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: 13	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: 13	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: 13	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: 13	Preserved With: ICE-FLTR

Bottle Group A (Water) With 13 Samples:

Bottle Type: P-125ML Number of Bottles: 13 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- 2017-06-DS-10

Shipping Method: Fedex

Date/Time of Receipt: 06/15/17 @ 9:50 am

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	1.7°C	21		✓			811305627333
Red	1.9°C	21		✓			811305627296
Red	0.8°C	13 45 40		✓			811305627300

*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: MR

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

Coolers Unpacked/Checked by: MR Date: 06/15/17

NCRs (Y/N)? Yes

Event ID: 50-DIST-2017-06-15-01

NCR # 6501

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken
sample ID 1906632 14:15 G550061417-3	W-ICP W-ICPMS	72	preserved sample with nitric acid at 11:30am on 6/15/17
sample ID 1906636 12:40 G550061417-9	W-ICP W-ICPMS	72	" "

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: