

Key Largo 2

last revised Apr 7, 2016

Central Laboratory Submittal Form

Customer: SE-DIST

Requester: Jordan Skaggs

Field Report Prepared By: Jordan Skaggs

Project ID: SMP

Collected By: Jordan Skaggs, Matt Sewell, James Pitts

Sampling Agency: FDEP

Location Barnes Sound Southeast of Main Key		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/13/16 Time 11:35		☒ 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 7.0	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
STORET # G5SE0053		Temp (C) 29.0	pH 7.8	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 41444			
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 9/13/16 Time 11:50		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s) A	
Field ID G5SE0052		Matrix (type, e.g., Salt, Fresh, etc) salt		Diss. Oxygen 7.4	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
STORET # G5SE0052		Temp (C) 29.2	pH 7.9	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 34100			
Latitude 25.25069	☒ dd ☐ dms	Longitude -80.41868	☒ dd ☐ dms	Salinity (ppt) 21.3	Comments				
Location Long Sound - Western Bay		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/13/16 Time 12:45		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s) A	
Field ID G5SE0054		Matrix (type, e.g., Salt, Fresh, etc) salt		Diss. Oxygen 7.4	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
STORET # G5SE0054		Temp (C) 29.3	pH 7.9	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 28267			
Latitude 25.221791	☒ dd ☐ dms	Longitude -80.48518	☒ dd ☐ dms	Salinity (ppt) 17.3	Comments				
Location Little Blackwater Sound @ Center		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/13/16 Time 12:30		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s) A	
Field ID G5SE0055		Matrix (type, e.g., Salt, Fresh, etc) salt		Diss. Oxygen 6.9	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
STORET # G5SE0055		Temp (C) 29.2	pH 8.0	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 33698			
Latitude 25.211680	☒ dd ☐ dms	Longitude -80.443320	☒ dd ☐ dms	Salinity (ppt) 22.0	Comments				

Relinquished By: FDEP	Date/Time 9/13/16	Shipping Method Fedex	Number of Coolers Shipped: 2	Received By: [Signature]	Date/Time 9-14-16/1505
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Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-F						
	W-TSS						

Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	CHLSUITE-W						

Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						

Group: A	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-PO4-F						

Key Largo 2

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Customer: SE-DIST

Requester: Jordan Skaggs

Field Report Prepared By:

Jordan Skaggs

Project ID: SMP

Collected By:

Jordan Skaggs, Matt Sewell, James Pitts

Sampling Agency:

FDEP

Location Field duplicate @ Long Sound - Western Bay		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/13/16 Time 1250		Eastern ☒ Central	Composite end Date Time		Bottle Group(s) (See pg 2)
Field ID GSSE0054_duplicate		Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 7.4	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET # N/A		Temp (C) 29.3	pH 7.9	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 28267		A
Latitude 25.221791	☒ dd ☐ dms	Longitude -80.48518	☐ dd ☐ dms	Salinity (ppt) 17.3	Comments			
Location Blackwater Sound - Northern Bay		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/13/16 Time 1215		Eastern ☒ Central	Composite end Date Time		Bottle Group(s)
Field ID GSSE0056		Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 7.1	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET # GSSE0056		Temp (C) 29.3	pH 7.9	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 45576		A
Latitude 25.184667	☒ dd ☐ dms	Longitude -80.425669	☒ dd ☐ dms	Salinity (ppt) 29.4	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: FDEP	Date/Time 9/13/16	Shipping Method Fedex	Number of Coolers Shipped: 2	Received By: [Signature]	Date/Time 9-14-16/16:05
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Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-F						
	W-TSS						

Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	CHLSUITE-W						

Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						

Group: A	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-PO4-F						

Date of Request: 11-AUG-2016
 Created By: SKAGGS_J On: 11-AUG-2016
 Modified By: MATTHEWS_D On: 22-AUG-2016
 Customer: SE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Southeast District
 Sampling Event: Key Largo 2

Send Coolers To:

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

Program Module Number: 1306
 Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 22-AUG-2016
 Biology Request Reviewed By: MATTHEWS_D On: 22-AUG-2016
 Sampling Kit Required: YES Ship on: 02-SEP-2016
 Sampling Kit Shipped: YES On: 30-AUG-2016
 Sampling Kit Packed By: KITCHEN_S
 Preservatives Needed: NO
 Date to Receive Samples: 15-SEP-2016
 Received By: SHAIK_A On: 14-SEP-2016

Send Final Report To:

FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Jordan Skaggs

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

Comments:

Bottle Group A (Water) With 6 Samples:

Bottle Type: P-1L	Number of Bottles: 6	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-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: 6	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: 6	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: 6	Preserved With: ICE-FLTR
W-PO ₄ -F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Log-in Checklist

RQ- 2016-09-12-36

Shipping Method: Fed Ex

Date/Time of Receipt: 09-14-16 / 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	1.8C	0000		✓			7840 7779 1568
Blue	1.6C	0000		✓			u u 1603
Blue	1.7C	0000		✓			

*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: ABP

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

Coolers Unpacked/Checked by: ABP Date: 9-14-16 NCRs (Y/N)? 7

Event ID: Key Largo 2
SE-DIST-2016-09-14-01 (SMP)
Date Received: 14-SEP-2016 10:05 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: