

RQ- 2019-12-16-35

Login Checklist

Login Station ID: #4Shipping Method: FedEx UPS | HD | GreyhoundDate/Time of Receipt: 12/17/19 @ 10:05

Cooler Temperature*	Samples Frozen	*All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
					Present?		*Intact?		
	YES	HNO ₃	Formalin	Yes	No	Yes	No		
2.0°C				14		X			1278 4010 1060
1.7°C				18		X			1278 4010 1067

*All samples received on ice unless otherwise noted. If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), received without ice, or if Evidence Seal is damaged; identify the containers in the affected cooler(s) on back of this form. HNO₃ and Formalin preserved samples do **NOT** have a temperature requirement. DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation; An NCR still is required.

**Chain of Custody/ Field Sheet(s) Included? Yes ✓ No Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes No ✓

**Note: If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

CONTAINER CHECK

**Evidence Tape on Bottles? Yes No X If yes, is it intact? Yes No **Caps on tight? Yes ✓ No **Containers intact? Yes ✓ No **Sufficient Sample Volume: Yes ✓ No

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes No X Init: Jaylup

Chlorine detected? (One container checked per Field ID)

Yes No Init:

If "YES", list affected Field IDs and Test IDs below.

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

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

Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No NA Init: JaylupW-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes No NA X Init: JaylupCoolers Unpacked/Checked by: Jaylup Reynolds Date: 12/17/19NCRs (Y/N)? None YESEvent ID: 2019 SMP : KEYS
SO-DIST-2019-12-17-02 (SMP)
Date Received: 17-DEC-2019 10:05NCR # 8070

Login Checklist

Contains: 1:1 H2SO4
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

2144414

Samples with Incorrect pH Preservation

Field ID	Bottle Test ID(s)	pH	Action Taken
GSSD099	W-N02N03 W-NH3	7.2	sample preserved with sulfuric acid. 12/17/19 11:30

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
			GK BR	CK BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

Additional Comments:

Infrared Thermometer ID:	Temp Gun #4 DUE 11-5-20
pH Test Strips 0 - 6 Lot #	
pH Paper 0 - 3 Lot #	213316AV Exp: 5-15-20
pH Paper 0 - 13 Lot #	208111 Exp: 3-31-20
Chlorine Test Strips Lot #	8261 Exp: 07/2020

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No X

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ If No _____

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 1 No _____
Date and time samples preserved: _____

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: SO-DIST

Project ID: SMP

Requester: Nicole Reistad

Collected By: Miranda CarrollField Report Prepared By: Miranda CarrollSampling Agency: FDEP SROC

Location	Field ID/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/16/19</u> Time <u>1405</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)	
Field ID	Location	G5SD0070	Matrix (type, e.g., Salt, Fresh, etc) <u>Marine</u>	Diss. Oxygen <u>6.53</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A	
WIN/STORET	8080 @ENRG3 Nearshore#1		Temp (C) <u>24.9</u>	pH <u>8.00</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>55366</u>		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>36.71</u>	Comments			
Location	Field ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/16/19</u> Time <u>1410</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s)	
Field ID	Location	G5SD0070_DUP	Matrix (type, e.g., Salt, Fresh, etc) <u>Marine</u>	Diss. Oxygen <u>6.57</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B	
WIN/STORET #	8080 @ENRG3 Nearshore#1		Temp (C) _____	pH _____	Sample Depth _____	Sp. Conductance (umho/cm) _____		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) _____	Comments <u>Field duplicate</u>			
Location	Field ID/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/16/19</u> Time <u>1425</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s)	
Field ID	Location	G5SD0099	Matrix (type, e.g., Salt, Fresh, etc) <u>Marine</u>	Diss. Oxygen <u>6.57</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A	
WIN/STORET #	WBID 8080 ENR 6 Site 2		Temp (C) <u>25.2</u>	pH <u>8.08</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>55152</u>		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>36.55</u>	Comments			
Location	Field ID/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/16/19</u> Time <u>1435</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s)	
Field ID	Location	G5SD0098	Matrix (type, e.g., Salt, Fresh, etc) <u>Marine</u>	Diss. Oxygen <u>6.62</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A	
WIN/STORET #	WBID 8080 ENR 6 Site 1		Temp (C) <u>25.2</u>	pH <u>8.06</u>	Sample Depth <u>0.3</u>	Sp. Conductance (umho/cm) <u>54929</u>		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <u>36.38</u>	Comments			

Relinquished By: <u>Miranda Carroll</u>	Date/Time <u>12/16/19 1645</u>	Shipping Method <u>FedEx</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>Judy R</u>	Date/Time <u>12/17/19 10:05</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 18	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 18	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W						
Group: A	Bottle Type:	P-120ML-WC-THI	# of Bottles: 36	Preservative:	ICE	Enter Number of Bottles Sent to Lab	8
	ENT-24-QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 18	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC Lot # SA9129100						
Group: A	Bottle Type:	P-125ML	# of Bottles: 18	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	4
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC Lot # SA9129100						
Group: B	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: SO-DIST

Project ID: SMP

Requester: Nicole Reistad

Collected By: *Miranda Carroll*Field Report Prepared By: *Miranda Carroll*Sampling Agency: *FDEP SPDC*

Location	Field ID/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>12/16/19</i> Time <i>1450</i>	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Field ID	Location	G5SD0097		Matrix (type, e.g., Salt, Fresh, etc) <i>Marine</i>	Diss. Oxygen <i>6.74</i>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	<i>A</i>
WIN/STORET #	WBID 8080 ENR 3 Site 2			Temp (C) <i>25.2</i>	pH <i>8.12</i>	Sample Depth <i>0.3</i>	Sp. Conductance (umho/cm) <i>55266</i>	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <i>36.64</i>	Comments			
Location	Field ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>12/16/19</i> Time <i>1455</i>	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	WBID 8080 ENR 3 Site 2	G5SD0097_DUP		Matrix (type, e.g., Salt, Fresh, etc) <i>Marine</i>	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	<i>B</i>
WIN/STORET #	WIN ID			Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments <i>Field duplicate</i>			
Location	Field ID		☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Time	Bottle Group(s)
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)	
				Salinity (ppt)	Comments			
Location	Field ID		☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Time	Bottle Group(s)
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)	
				Salinity (ppt)	Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
<i>Miranda Carroll</i>	<i>12/16/19 1645</i>	<i>FedEx</i>	<i>2</i>	<i>J. L. [Signature]</i>	<i>12/17/19 @ 10:05</i>

Group: A	Bottle Type:	P-1L	# of Bottles: 18	Preservative: ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY				
	TURBIDITY				
	W-BR-IC				
	W-F				
	W-TSS				
Group: A	Bottle Type:	BP-1L	# of Bottles: 18	Preservative: ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W				
Group: A	Bottle Type:	P-120ML-WC-THI	# of Bottles: 36	Preservative: ICE	Enter Number of Bottles Sent to Lab
	ENT-24-QT				
Group: A	Bottle Type:	P-500ML	# of Bottles: 18	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: 18	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F				
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY				
	TURBIDITY				
	W-BR-IC				
	W-F				
	W-TSS				
Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W				
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	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: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab

Group: B

Bottle Type:
W-PO4-F

P-125ML

of Bottles: 2

Preservative: FILTER-ICE

Enter Number of Bottles Sent to Lab 2

Date of Request: 26-NOV-2019
 Created By: REISTAD_N On: 26-NOV-2019
 Modified By: WATTS_J On: 12-DEC-2019
 Customer: SO-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: South District
 Sampling Event: 2019 SMP : KEYS

Send Coolers To:

Phone: 239-344-5718
 FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901-3381
 Attn: Nicole Reistad

Program Module Number:

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 12-DEC-2019
 Biology Request Reviewed By: WATTS_J On: 12-DEC-2019
 Sampling Kit Required: YES Ship on: 12-DEC-2019
 Sampling Kit Shipped: YES On: 12-DEC-2019
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: YES
 Date to Receive Samples: 16-DEC-2019
 Received By:

Send Final Report To:

FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901-3381
 Attn: Nicole Reistad

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

Comments: Group A: (8073,8079,8080) Marine Nutrients, Entero x18
 Group B: Marine Nutrients DUPLICATEx2

3 - cases of sulfuric acid/6 sets of labels

Bottle Group A (Water) With 18 Samples:

Bottle Type: P-1L	Number of Bottles: 18	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-BR-IC	Template: DEFAULT	(EPA 300.0) Bromide 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 using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 18	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-120ML-WC-THI	Number of Bottles: 36	Preserved With: ICE
ENT-24-QT	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems
Bottle Type: P-500ML	Number of Bottles: 18	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: 18	Preserved With: FILTER-ICE
W-PO ₄ -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 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	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-BR-IC	Template: DEFAULT	(EPA 300.0) Bromide in aqueous matrices

Bottle Group B (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
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 using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 2	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: 2	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L