

RQ- 2020 - 02-03-71**Login Checklist**Login Station ID: # 3Shipping Method: FedEx | UPS | HD | GreyhoundDate/Time of Receipt: 03-25-2020 / 10:05

Cooler Temperature*	Samples Frozen YES	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
		HNO ₃	Formalin		Present?		*Intact?		
					Yes	No	Yes	No	
<u>2.9C</u>				<u>12</u>		<u>X</u>			<u>4751 8778 6 866</u>

*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 X 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 X No **Containers intact? Yes X No **Sufficient Sample Volume: Yes X No **CHLORINE CHECK REQUIRED? (Blue dot on container)**Yes No ✓ Init: ABS

Chlorine detected? (One container checked per Field ID)

Yes No Init: ABS

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 X No NA Init: ABS**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes No NA X Init: ABSCoolers Unpacked/Checked by: ABS /Date: 03-25-2020NCRs (Y/N)? Event ID: Halifax RunCEN-DIST-2020-03-25-01 (SMP)NCR #

Login Checklist

Samples with Incorrect pH Preservation

Field ID	Bottle Test ID(s)	pH	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

Additional Comments:

Infrared Thermometer ID:	IR TG#3 EXP:11/05/2020
pH Test Strips 0 – 6 Lot #	2133AV EXP:05/15/2020
pH Paper 0 – 3 Lot #	220416A EXP:07/30/2020
pH Paper 0 – 13 Lot #	208717 EXP:03/31/2020
Chlorine Test Strips Lot #	8281 2021 / 07

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 _____ No _____

Date and time samples preserved: _____

Halifax Run

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By:

Elizabeth Bates

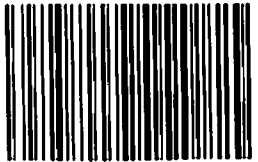
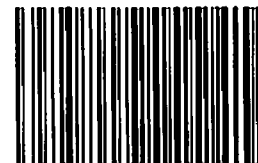
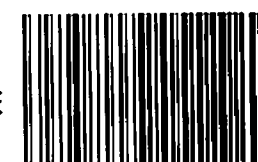
Project ID: SMP

Collected By:

Natalie Ayala/Elizabeth Bates

Sampling Agency:

21FLCEN

Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11:41 Time 3/24/20	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Field ID	Halifax River @ 200m NNE of Main St Bridge	G5CE0109	Matrix (type, e.g., Salt, Fresh, etc)	Salt	Diss. Oxygen 5.93	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORE			Temp (C) 25.6	pH 7.74	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 46330	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 30.05	Comments			
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/24/20 Time 12:05	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	Halifax River @ 1km N of Bethune Point Park Boat Ramp	G5CE0110	Matrix (type, e.g., Salt, Fresh, etc)	Salt	Diss. Oxygen 6.27	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORE			Temp (C) 25.7	pH 7.81	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 47900	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 31.19	Comments			
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 03/24/20 Time 12:24	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	Halifax River @ 250m N of Bethune Point Park Boat Ramp	G5CE0108	Matrix (type, e.g., Salt, Fresh, etc)	Salt	Diss. Oxygen 6.26	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORE			Temp (C) 25.3	pH 7.81	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 48154	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 31.38	Comments			
Location	WIN ID / Field ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 03/24/20 Time 13:33	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	Halifax River @ 1km NNE of Dunlawton Ave	G5CE0107	Matrix (type, e.g., Salt, Fresh, etc)	Salt	Diss. Oxygen 7.00	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
WIN/STORE			Temp (C) 23.6	pH 7.86	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 51685	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 34.01	Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Elizabeth Bates	03/24/2020 16:30	fedex	2	[Signature]	3-25-20 10:05

Group: A	Bottle Type:	P-1L	# of Bottles: 4	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: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ENT-24-QT						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	4
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	4
	W-PO4-F						

Date of Request: 16-JAN-2020
 Created By: LINGER_M On: 16-JAN-2020
 Modified By: JASROTIA_P On: 17-JAN-2020
 Customer: CEN-DIST
 Project: SMP
 Division:
 District: Central District
 Sampling Event: Halifax Run

Send Coolers To:

Phone: 407-894-4180
 FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Michael Linger

Program Module Number: 1306
 Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 17-JAN-2020
 Biology Request Reviewed By: JASROTIA_P On: 17-JAN-2020
 Sampling Kit Required: YES Ship on: 23-JAN-2020
 Sampling Kit Shipped: YES On: 21-JAN-2020
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 03-FEB-2020
 Received By: SHAIK_A On: 25-MAR-2020

Send Final Report To:

FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Michael Linger

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

Comments: A: Halifax (both sites X2)

Bottle Group A (Water) With 4 Samples:

Bottle Type: P-1L	Number of Bottles: 4	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) 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 Rev. 2.1) Bromide in aqueous matrices
W-F	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TSS	Template: DEFAULT	(SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 4	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-250ML-WO-THI	Number of Bottles: 4	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: 4	Preserved With: HNO ₃
W-ICP	Template: S-METALS	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Iron		
Manganese		
Zinc		
W-ICPMS	Template: DEFAULT	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
*Boron		
Aluminum		
Antimony		
Arsenic		
Barium		
Beryllium		
Cadmium		
Chromium		
Cobalt		

Bottle Group A (Water) With 4 Samples:

Bottle Type: P-500ML
 W-ICPMS
 Template: DEFAULT
 (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Copper
 Lead
 Manganese
 Molybdenum
 Nickel
 Selenium
 Silver
 Thallium
 Bottle Type: P-500ML
 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-2011) Nonpurgeable Organic Carbon in aqueous matrices
 Bottle Type: P-125ML
 W-PO4-F
 Template: DEFAULT
 (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.