RQ- 2019-01-21-28

Log-in Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 1-25-19 | 10:30

Cooler Temperature*	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
				Present?		*Intact?		
	HNO_3	Formalin		Yes	No	Yes	No	
2.6			8		✓			
2.2			8		✓			

* HNO3 and Formalin persevered samples do **NOT** have a temperature requirement. For all others, 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 below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an **NCR**.

**Chain of Custody/ Field Sheet(s) Included? Yes ✓ No_____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes_____ No_____ Date_____

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 REQUIRED? (Blue dot on container) Yes_____ No_____ Init:_____

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-E8321-DI, -MS, -21			W-NP-AA-SF		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PCL-SQ-R		
W-U2060-MS			W-TR-TQ		
W-PCB-R			W-CT-CI-R		
W-PAH (-R)			W-PSNP-TQ		
W-PFAS-MS					

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No____ NA____ Init: SR

**W-1-4-DIOX (Green dot on container) preserved to pH< 4.0? Yes_____ No_____ NA ✓ Init: SR

Coolers Unpacked/Checked by: SR **Date:** 1-25-19 **NCRs (Y/N)?** Y

Event ID: Minnie / Silver / Chain / Gleason - CEN-DIST-2019-01-25-01 (SMP) **NCR #** 7461

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

Infrared Thermometer ID:	REC_02_2018EXP:4/27/19
pH Paper 0.0 – 3.0 Lot #	
pH Paper 0 – 13 Lot #	222516 EXP:08-15-19
Chlorine Test Strips Lot #	7226 EXP: 07/2020

Additional Comments:

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_____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: _____

Request Number: RQ-2019-01-21-28

Minnie / Silver / Chain / Gleason

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Collected By: Mike Linger / Lawrence Drennan

Field Report Prepared By: Mike Linger

Sampling Agency: FDEP - CE-ROC

WIN ID / Field ID → Three Island Lake @ Center of South Lobe — G2CE0085

Location:

Field ID:

WIN/ST:

Latitude: ☐ dd ☐ dms Longitude: ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 1/23/19 Time 935 | Eastern / Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc):

Diss. Oxygen 8.10 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 16.0 | pH 5.96 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 103.5

Salinity (ppt):

Comments:

WIN ID / Field ID → Lake Gleason @ Center — G2CE0114

Location:

Field ID:

WIN/ST:

Latitude: ☐ dd ☐ dms Longitude: ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 1/23/19 Time 1024 | Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc):

Diss. Oxygen 6.77 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 15.8 | pH 6.99 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 171.3

Salinity (ppt):

Comments:

WIN ID / Field ID → Lake Minnie @ Center — G2CE0108

Location:

Field ID:

WIN/ST:

Latitude: ☐ dd ☐ dms Longitude: ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 1/23/19 Time 1115 | Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc):

Diss. Oxygen 7.12 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 16.0 | pH 6.74 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 253.4

Salinity (ppt):

Comments:

WIN ID / Field ID → Silver Lake @ Center — G2CE0122

Location:

Field ID:

WIN/ST:

Latitude: ☐ dd ☐ dms Longitude: ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 1/23/19 Time 1150 | Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc):

Diss. Oxygen 9.37 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) 17.3 | pH 6.85 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 245.2

Salinity (ppt):

Comments:

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
MKL	1/23/19 1600	FedEx	2	SR	1-25-19 / 10:30

Group: A Bottle Type: P-1L # of Bottles: 4 Preservative: ICE **Enter Number of Bottles Sent to Lab** 4

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
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-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

H2SO4
LOT# SA8197090
EXP: 07/16/2019

Group: A Bottle Type: P-125ML # of Bottles: 4 Preservative: FILTER-ICE **Enter Number of Bottles Sent to Lab** 4

W-PO4-F

RQ-2019-01-21-28

Date of Request: 03-JAN-2019
Created By: LINGER_M On: 03-JAN-2019
Modified By: JASROTIA_P On: 07-JAN-2019
Customer: CEN-DIST
Project: SMP
Division:
District: Central District
Sampling Event: Minnie / Silver / Chain / Gleason

Send Coolers To:

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

Send Final Report To:

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

Program Module Number: 1306
Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 04-JAN-2019
Biology Request Reviewed By: JASROTIA_P On: 07-JAN-2019
Sampling Kit Required: YES Ship on: 15-JAN-2019
Sampling Kit Shipped: YES On: 11-JAN-2019
Sampling Kit Packed By: REAVES_S
Preservatives Needed: NO
Date to Receive Samples: 21-JAN-2019
Received By:

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

Comments:

Bottle Group A (Water) With 4 Samples:

Bottle Type: P-1L Number of Bottles: 4 Preserved With: ICE

ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/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-COLOR Color (true)	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
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: 4 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: 4 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: 4 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

Do Not Lift Using This Tag

ORIGIN ID:TLHA (407) 894-7555
MIKE LINGER
FL DEP CENTRAL DISTRICT
3319 MAGUIRE BLVD STE 232

ORLANDO, FL 328033767
UNITED STATES US

SHIP DATE: 11JAN19
ACTWGT: 10.00 LB MAN
CAD: 0446970/CAFE3211

551C2/D74C/104C

TO **JOHN WATTS**
FLORIDA DEP/CHEMISTRY SECTION
2600 BLAIRSTONE RD

TALLAHASSEE FL 32399
(850) 245-8077 REF:
INV:
PO: DEPT:

RMA:

FedEx Express

J181118060501uv

FedEx
TRK# 0221 4751 8775 4610

THU - 24 JAN 10:30A
PRIORITY OVERNIGHT

32399
FL-US
TLH

36 TLHA

FID 5037366 23JAN19 ORLA 553C2/D74C/0C8A

Part # 158148-434 RIT EXP 09/19

USH

Do Not

ORIGIN ID:TLHA (407) 894-7555
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INV:
PO: REF:
DEPT:

551C2/D74C/10

RMA:

FedEx Express

J181118060501av

FedEx
TRK# 0221 4751 8775 4600

THU - 24 JAN 10:30A
PRIORITY OVERNIGHT

32399
FL-US
TLH

36 TLHA

FID 5037366 23JAN19 ORLA 553C2/D74C/0C8A

Cooler Packing Worksheet for Request: RQ-2019-01-21-28
Minnie / Silver / Chain / Gleason
Ship Cooler On: 1/15/2019
Customer/Project: CEN-DIST/SMP

Assigned To: REAVES_S
Requester: Michael Linger
Priority: 3

407-894-4180
FL Dept. of Environmental Protection
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767

Attn: Mike Linger

Comments:
No preservatives needed.

Requested Analyses:

Bottle Group: A **# of Sites: 4**

Container ID: P-1L **Qty: 4** **Preservation: ICE** **Lot #** 0001991

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L **Qty: 4** **Preservation: ICE** **Lot #** 1241507

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML **Qty: 4** **Preservation: ICE And H2SO4** **Lot #** 00072570

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 4** **Preservation: FILTER-ICE** **Lot #** 00072954

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: SK Number of Coolers: 2 Date: 1-11-19

Kit must also include:
- ✓ Field Sheets
- ✓ Temperature Control Bottle
- ✓ FedEx Bills, *if applicable*
- ✓ Plastic Bags/Zip Ties
- ___ Acid Labels (sets of 24)

If Preservation Included:

ID _____ Exp _____ Lot # _____
ID _____ Exp _____ Lot # _____
ID _____ Exp _____ Lot # _____
ID _____ Exp _____ Lot # _____
ID _____ Exp _____ Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2019-01-21-28

Reaves, Shawn D

From: Linger, Michael
Sent: Monday, January 28, 2019 2:52 PM
To: Reaves, Shawn D
Cc: Ayala, Natalie
Subject: RE: RQ-2019-01-21-26/RQ-2019-01-21-28/RQ-2019-01-21-54

Thank you for letting us know.

Michael Linger
Environmental Specialist
Florida Department of Environmental Protection
Division of Environmental Assessment and Restoration
3319 Maguire Blvd. Suite 232
Orlando FL, 32803
407-897-4180

From: Reaves, Shawn D
Sent: Friday, January 25, 2019 2:10 PM
To: Linger, Michael <Michael.Linger@dep.state.fl.us>
Subject: RQ-2019-01-21-26/RQ-2019-01-21-28/RQ-2019-01-21-54
Importance: High

Mike,

We didn't receive the following RQ-2019-01-21-26/RQ-2019-01-21-28/RQ-2019-01-21-54 until today due to FEDEX transportation the samples were collected on 1/23/19. I wanted to let you know that the samples will have qualified data on the final report.

Shawn D. Reaves
DEP-Lab Support
Lab Tech IV
Office: 850-245-8082
Direct: 58082


Florida Department of
Environmental Protection