RQ-2018-08-20-31 **Log-in Checklist** Login Station ID: # 3

Shipping Method: (FedEx) UPS | HD | Greyhound Date/Time of Receipt: **08/24/2018 / 10:25**

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	
1.2C			4		X			

* 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 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____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ✓ No____ Date 8-24-18

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____ No____

****Sufficient Sample Volume:** Yes X No____

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes____ No X Init: **ABS**

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-Cl-R		
W-PAH (-R)			W-PSNP-TQ		

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: **ABS**

Coolers Unpacked/Checked by: ABS Date: **08/24/2018** NCRs (Y/N)? ____

Event ID: Tiger CEN-DIST-2018-08-24-02 (SMP) ____ 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

Infrared Thermometer ID:	REC_03_2018
pH Paper 0.0 – 3.0 Lot #	2305 15 EXP:10/30/2018
pH Paper 0 – 13 Lot #	222516 EXP:09/15/2019
Chlorine Test Strips Lot #	7226 EXP:20/20/07

Additional Comments:

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: _____

Request Number: RQ-2018-08-20-31

Tiger

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: Katie March, Terry Riordan

Field Report Prepared By: Katie March

Sampling Agency: 21FLCEN

Location / Field ID / WIN/STORET		Comp / Grab	Collection (comp begin or grab)		Eastern / Central	Composite end	Bottle Group(s) (See pg 2)
WIN ID / Field ID → Tiger Creek 1.45km downstream of Lake Kissimmee (3183D)	G4CE0070	☐ Comp ☑ Grab	Date 8/23/18	Time 1115	(Eastern) Central	Date Time	A
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Matrix (type, e.g., Salt, Fresh, etc): (Fresh)	Diss. Oxygen 3.56 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —			
		Temp (C) 30.74	pH 6.20	Sample Depth 0.3 ☐ ft ☑ m	Sp. Conductance (umho/cm) 127		
		Salinity (ppt) 0.06	Comments				

The next three sample blocks are blank and struck through with one diagonal line. Each one repeats these fields:

- Location
- Field ID
- WIN/STORET #
- Latitude ☐ dd ☐ dms
- Longitude ☐ dd ☐ dms
- ☐ Comp ☐ Grab
- Collection (comp begin or grab): Date, Time, Eastern / Central
- Composite end: Date, Time
- Bottle Group(s)
- Matrix (type, e.g., Salt, Fresh, etc)
- Diss. Oxygen ☐ mg/L ☐ % sat
- Total Res. Chlorine (mg/L)
- Temp (C)
- pH
- Sample Depth ☐ ft ☐ m
- Sp. Conductance (umho/cm)
- Salinity (ppt)
- Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
K March	8/23/18 1600	Fedex	1	ABQ	08-24-18 | 10:25

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 1	Preservative:	Na thiosulfate and Ice	Enter Number of Bottles Sent to Lab	1 - to Flowers
	CD-FLR-ECQ						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						

H2SO4
LOT# SA8101020
EXP: 04/11/2019

2 of 2

CONTRACT LAB - CHAIN OF CUSTODY

Client Name: Department of Environmental Protection
Address: 3319 Maguire Blvd Suite 232, Orlando, FL 32803
Project Manager: Natalie Ayala / Michael Linger / Kalina Warren
E-Mail: DEP-overflowmicro@dep.state.fl.us
Telephone Number: (407) 897-4100

Project Name: SMP
Project Number: RQ- 2018-09-20-31
Site Location: Tiger Creek

Contract/PO # FLOWERS - B3508E
Sampler Names: Terry Riordan, Katie Marsh
Signature: KMarsh

FIELD ID	Lab No. (Lab Use Only)	Date	Time Sampled	No. of Containers	Grab	Composite	Preservative: ICE	HCL	HNO3	NONE	Matrix: Groundwater	Wastewater	Drinking Water	Surface Water	Escherichia Coli (ECQ)	Analyze For: Enterococci (ENQ)	Fecal Coliform (FC)	
64CE0070		8/23/18	1115	1	X		X							X	X			

Special Instructions:
Samples are ambient water and not suspected to contain chlorine

Note to samplers: For Site with E.coli only, email both custody and submittal forms to Joshua Ayers and cc John Watts.

Relinquished by:	Date	Time	Received by:	Date	Time	Comments
KMarsh	8/23/18	1335	MPC / FPC	8/23	13:35	Temp Upon Receipt: 0.3°C
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact? (Y) N

RQ-2018-08-20-31

Date of Request: 02-AUG-2018
Created By: LINGER_M On: 02-AUG-2018
Modified By: SWANSON_C On: 09-AUG-2018
Customer: CEN-DIST
Project: SMP
Division:
District: Central District
Sampling Event: Tiger

Send Coolers To:

Phone: 407-897-4180
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: R
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 03-AUG-2018
Biology Request Reviewed By: SWANSON_C On: 09-AUG-2018
Sampling Kit Required: YES Ship on: 15-AUG-2018
Sampling Kit Shipped: YES On: 10-AUG-2018
Sampling Kit Packed By: RODRIGUE_G
Preservatives Needed: NO
Date to Receive Samples: 20-AUG-2018
Received By: SHAIK_A On: 24-AUG-2018

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

Comments:

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-1L Number of Bottles: 1 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: P-250ML-WI-THI Number of Bottles: 1 Preserved With: Na thiosulfate and Ice

CD-FLR-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by Flowers Chemical Laboratory in Altamonte Springs

Bottle Type: BP-1L Number of Bottles: 1 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: 1 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: 1 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

Cooler Packing Worksheet for Request: RQ-2018-08-20-31

Tiger

Ship Cooler On: 8/15/2018

Customer/Project: CEN-DIST/SMP

Assigned To: RODRIGUE_G
Requester: Michael Linger
Priority: 3

407-897-4180
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: 1**

Container ID: P-1L **Qty: 1** **Preservation: ICE** **Lot #** 00071878

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: P-250ML-WI-THI **Qty: 1** **Preservation: Na thiosulfate and Ice** **Lot #** L18006

Description: 250 ml Sterilized with tablet

Analysis	Description
CD-FLR-ECQ	Escherichia coli by Colilert 18 Quanti-Tray method by Flowers Chemical Laboratory in Altamonte Springs

Container ID: BP-1L **Qty: 1** **Preservation: ICE** **Lot #** 1227219

Description: Brown Plastic Bottle 1L

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

Container ID: P-500ML **Qty: 1** **Preservation: ICE And H2SO4** **Lot #** 00071864

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: 1** **Preservation: FILTER-ICE** **Lot #** 00070856

Description: Plastic Bottle 125 mL

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

Cooler Packed By: GR Number of Coolers: 1 Date: 8/10/18

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-2018-08-20-31

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: 10AUG18
ACTWGT: 10.00 LB MAN
CAD: 0446970/CAFE3210

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

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

RMA:

FedEx Express

FedEx
TRK# 0221 4385 5032 3105

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PRIORITY OVERNIGHT

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