

RQ- 2018 07-09-45

Log-in Checklist

Login Station ID: #2Shipping Method: FedEx | UPS | HD | Greyhound | _____Date/Time of Receipt: 7-10-18/10100

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	Yes	No		
Red	2.4	13		✓			

*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

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			

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

**Acid Preserved Samples: pH $\leq$ 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: 7-10-18

NCRs (Y/N)? N

Event ID: CEN-DIST-2018-07-10-01

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

Additional Comments:

Infrared Thermometer ID:	REC_02_2018
pH Paper 0.0 – 3.0 Lot #	230515 EXP:10-30-18
pH Paper 0 – 13 Lot #	222516 EXP:08-15-19
Chlorine Test Strips Lot #	033117L EXP:03/21

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: _____

Lk Nan + LVI + D&B

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By:

Liz Bates

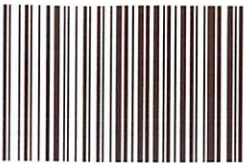
Project ID: SMP

Collected By:

Terry Riordan, Katie March, Liz Bates

Sampling Agency:

21 FL CEN

Location	WIN ID / Field ID →				☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)	
Field ID	Lake Nan @ Center (3009H)				Date		7/9/18		Time		10:00		(See pg 2)	
WIN/STO					Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Latitude	☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C)		29.88		pH		7.19	
Field ID	Field ID → G2CE0091_DUP				☐ Comp ☒ Grab		Date		7/9/18		Time		10:05	
WIN/STO	WIN → G2CE0091				Matrix (type, e.g., Salt, Fresh, etc)		fresh		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Latitude	☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C)				pH			
Field ID	Location → Lake Nan @ Center (3009H)				☐ Comp ☒ Grab		Date		7/9/18		Time		10:18	
WIN/STO					Matrix (type, e.g., Salt, Fresh, etc)		field blank		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
Latitude	☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C)				pH			
Field ID	Field ID →				☐ Comp ☒ Grab		Date		7/9/18		Time		10:18	
WIN/STO	Field Blank				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			
Field ID	Location/DI source				☐ Comp ☐ Grab		Date				Time			
WIN/STO	Washroom				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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO					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			
Field ID					☐ Comp ☐ Grab		Date				Time			
WIN/STO			</											

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	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	<u>0 (Sent to contract lab)</u>
	CD-FLR-ECQ						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-ICP W-ICPMS				HNO3 LOT# NA8867020 EXP: 03/08/2019		
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC				H2SO4 LOT# SA8885170 EXP: 03/26/19		
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>1</u>
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						

Group: B	Bottle Type: P-250ML-WI-THI CD-FLR-ECQ	# of Bottles: 1	Preservative: Na thiosulfate and Ice	Enter Number of Bottles Sent to Lab	0 (sent to contract lab)
Group: B	Bottle Type: P-500ML W-ICP W-ICPMS	# of Bottles: 1	Preservative: HNO3 HNO3 LOT# NA8867820 EXP: 03/08/2019	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: P-500ML W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	# of Bottles: 1	Preservative: ICE And H2SO4 H2SO4 LOT# SA7163830 EXP: 06/12/2018	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: P-125ML W-PO4-F	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: P-1L ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: P-500ML W-ICP W-ICPMS	# of Bottles: 1	Preservative: HNO3 HNO3 LOT# NA8867820 EXP: 03/08/2019	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: P-500ML W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	# of Bottles: 1	Preservative: ICE And H2SO4 H2SO4 LOT# SA7163830 EXP: 06/12/2018	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: P-125ML W-PO4-F	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1

Date of Request: 20-JUN-2018
 Created By: LINGER_M On: 20-JUN-2018
 Modified By: WATTS_J On: 21-JUN-2018
 Customer: CEN-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Central District
 Sampling Event: Lk Nan + LVI + D&B

Send Coolers To:

Phone: 407-897-4180
 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: 21-JUN-2018
 Biology Request Reviewed By: SWANSON_C On: 20-JUN-2018
 Sampling Kit Required: YES Ship on: 29-JUN-2018
 Sampling Kit Shipped: YES On: 27-JUN-2018
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 09-JUL-2018
 Received By:

Send Final Report To:

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

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

Comments: A: Nan
 B: DUP
 C: Blank

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 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-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO ₄ -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 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by Flowers Laboratory
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: HNO ₃
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Chromium		
Iron		
Magnesium		
Nickel		
Potassium		

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Sodium		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		
Copper		
Lead		
Silver		
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

Bottle Group B (Water) With 1 Samples:

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
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	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
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 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by Flowers Laboratory
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Chromium		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		
Copper		
Lead		
Silver		

Bottle Group C (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 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-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm	
Color (true)			
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-500ML		Number of Bottles: 1	Preserved With: HNO ₃
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	
Calcium			
Chromium			
Iron			
Magnesium			
Nickel			
Potassium			
Sodium			
Zinc			
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	
Arsenic			
Cadmium			
Copper			
Lead			
Silver			
Bottle Type: P-500ML		Number of Bottles: 1	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: 1	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	



Do Not Lift Using This Tag

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

SHIP DATE: 27JUN18
ACTWGT: 40.00 LB MAN
CAD: 0446970/CAFE3210

ORLANDO, FL 328033767
UNITED STATES US

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

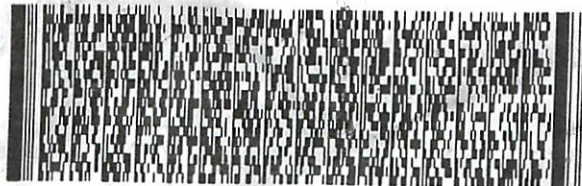
TALLAHASSEE FL 32399

(860) 246-8077

REF:

DEPT:

RMA: 



FedEx
Express



551C2/93DF/104C

FedEx

TRK#
0221 4385 5030 9270

TUE - 10 JUL 10:30A
PRIORITY OVERNIGHT

36 TLHA

32399
FL-US
TLH



FID 5037366 09JUL18 ORLA 546C2/8532/0C8A

050 1 D

Cooler Packing Worksheet for Request: RQ-2018-07-09-45

Lk Nan + LVI + D&B

Ship Cooler On: 6/29/2018

Customer/Project: CEN-DIST/SMP

Assigned To: SHAIK_A

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

Please return
packing list with
sample submittal
forms.

Comments:

No preservatives needed.

A: Nan

B: DUP

C: Blank

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00069122

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

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 # L18005

Description:

Analysis

CD-FLR-ECQ

Description

Escherichia coli by Colilert 18 Quanti-Tray method by Flowers Laboratory

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1223623

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00070684

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00070684

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: FILTER-ICE

Lot # 00069732

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00069732

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

Description

Alkalinity in aqueous matrices as mg CaCO3/L

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 # L18005

Description:

Analysis

CD-FLR-ECQ

Description

Escherichia coli by Colilert 18 Quanti-Tray method by Flowers Laboratory

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00070684

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00070684

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: FILTER-ICE

Lot # 00069732

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: C

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 50069122

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 50070684

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 50070684

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: FILTER-ICE

Lot # 50069732

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: ADJ

Number of Coolers: 1

Date: 6-27-18

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-2018-07-09-45