

Reaves, Shawn D

From: Reaves, Shawn D
Sent: Monday, February 24, 2020 10:52 AM
To: Wolfe, Kirby
Subject: RQ-2020-02-17-55

Importance: High

Good Morning,

Would you like the qualified data for RQ-2020-02-17-55 that was logged in on Saturday?

Shawn D. Reaves
DEP-Lab Support
Environmental Specialist I
Office: 850-245-8082
Direct: 58082
Email: Shawn.Reaves@FloridaDEP.gov

From: Wolfe, Kirby <Kirby.Wolfe@FloridaDEP.gov>
Sent: Friday, February 21, 2020 12:35 PM
To: Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>; Steinbock, Bettina <Bettina.Steinbock@dep.state.fl.us>; Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Cc: Savage, Jacqueline <Jacqueline.Savage@dep.state.fl.us>; Barrington, John <John.Barrington@FloridaDEP.gov>; Storbeck, Julia <Julia.Storbeck@dep.state.fl.us>; Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Wright, Colin <Colin.Wright@dep.state.fl.us>; Reistad, Nicole <Nicole.Reistad@FloridaDEP.gov>
Subject: RE: 21 cooler

Thanks everyone.

Kirby Wolfe
Team Lead
SROC - Environmental Assessment & Restoration
FL Department of Environmental Protection
South District Office
2295 Victoria AVE, Suite 364
Fort Myers, FL 33901
kirby.wolfe@floridadep.gov
Office: (239) 344-5719

----- Original message -----

From: "Bunch, Cheryl" <Cheryl.Bunch@dep.state.fl.us>

Date: 2/21/20 12:13 PM (GMT-05:00)

To: "Watts, John" <John.Watts@FloridaDEP.gov>, "Steinbock, Bettina" <Bettina.Steinbock@dep.state.fl.us>, "Reaves, Shawn D" <Shawn.Reaves@FloridaDEP.gov>
Cc: "Savage, Jacqueline" <Jacqueline.Savage@dep.state.fl.us>, "Barrington, John" <John.Barrington@FloridaDEP.gov>, "Storbeck, Julia" <Julia.Storbeck@dep.state.fl.us>, "Lurding, Kathleen" <Kathleen.Lurding@dep.state.fl.us>, "Wolfe, Kirby" <Kirby.Wolfe@FloridaDEP.gov>, "Wright, Colin" <Colin.Wright@dep.state.fl.us>, "Reistad, Nicole" <Nicole.Reistad@FloridaDEP.gov>

Subject: RE: 21 cooler

What a team! Thank you.

From: Watts, John

Sent: Friday, February 21, 2020 11:12 AM

To: Steinbock, Bettina <Bettina.Steinbock@dep.state.fl.us>; Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>

Cc: Savage, Jacqueline <Jacqueline.Savage@dep.state.fl.us>; Barrington, John <John.Barrington@FloridaDEP.gov>; Storbeck, Julia <Julia.Storbeck@dep.state.fl.us>; Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Wolfe, Kirby <Kirby.Wolfe@FloridaDEP.gov>; Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>; Wright, Colin <Colin.Wright@dep.state.fl.us>; Reistad, Nicole <Nicole.Reistad@FloridaDEP.gov>

Subject: RE: 21 cooler

Thank you Bettina

Shawn please contact Julia this afternoon.

John Watts
FDEP Laboratories
Environmental Administrator
245-8077

From: Steinbock, Bettina <Bettina.Steinbock@dep.state.fl.us>

Sent: Friday, February 21, 2020 11:50 AM

To: Watts, John <John.Watts@FloridaDEP.gov>; Wolfe, Kirby <Kirby.Wolfe@FloridaDEP.gov>

Cc: Savage, Jacqueline <Jacqueline.Savage@dep.state.fl.us>; Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>; Barrington, John <John.Barrington@FloridaDEP.gov>; Storbeck, Julia <Julia.Storbeck@dep.state.fl.us>

Subject: RE: 21 cooler

We will have Julia in by 10 am tomorrow. She and Jhamieka will be available to analyze nutrient short holds. Please have the person picking up the coolers get in touch with Julia to coordinate today.

Bettina



Dr. Bettina Steinbock
Environmental Administrator
DEAR-Chemistry Program
Florida Department of Environmental Protection
Bettina.Steinbock@dep.state.fl.us
Office: 850.245.8087

From: Watts, John <John.Watts@FloridaDEP.gov>

Sent: Friday, February 21, 2020 11:13 AM

To: Wolfe, Kirby <Kirby.Wolfe@FloridaDEP.gov>

Cc: Savage, Jacqueline <Jacqueline.Savage@dep.state.fl.us>; Steinbock, Bettina <Bettina.Steinbock@dep.state.fl.us>;
Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>; Barrington, John <John.Barrington@FloridaDEP.gov>
Subject: RE: 21 cooler

We're going to pick these up and log them in. Chlorophyll will get filtered. Unsure of short hold nutrients.

We will not be able to do the BODs. Setup for this is more involved, plus we are prepping for our TNI audit Mon-Wed.

John Watts
FDEP Laboratories
Environmental Administrator
245-8077

From: Wolfe, Kirby <Kirby.Wolfe@FloridaDEP.gov>
Sent: Friday, February 21, 2020 10:40 AM
To: Watts, John <John.Watts@FloridaDEP.gov>; Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>
Subject: RE: 21 cooler

Here's the RQ's that I have.

Caloosahatchee LTM
RQ-2020-02-10-10

SMP

RQ-2020-02-17-55

Kirby Wolfe
Team Lead
SROC - Environmental Assessment & Restoration
FL Department of Environmental Protection
South District Office
2295 Victoria AVE, Suite 364
Fort Myers, FL 33901
kirby.wolfe@floridadep.gov
Office: (239) 344-5719

From: Watts, John <John.Watts@FloridaDEP.gov>
Sent: Friday, February 21, 2020 10:28 AM
To: Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>; Wolfe, Kirby <Kirby.Wolfe@FloridaDEP.gov>
Subject: RE: 21 cooler

Kirby or Cheryl, I did not hear from Barrington, Reistad or King, do you know what events they sampled yesterday? I have 7 stranded coolers that can be delivered by FedEx tomorrow and logged in BUT ONLY if they have shortholds. Let me know if you have any ideas where they sampled.

John Watts
FDEP Laboratories
Environmental Administrator
245-8077

From: Claudio Guillermo <cmguillermo@fedex.com>
Sent: Friday, February 21, 2020 9:23 AM
To: Watts, John <John.Watts@FloridaDEP.gov>
Subject: RE: 21 cooler

One of our planes from MEM was cancelled due to mechanical issues. Over 200 pieces for our station will be sent tomorrow.

From: Watts, John
Sent: Friday, February 21, 2020 9:42 AM
To: Barrington, John <John.Barrington@floridadep.gov>; Armstrong, Rick <RArmstrong@leegov.com>; King, Michael <Michael.King@dep.state.fl.us>; Reistad, Nicole <Nicole.Reistad@floridadep.gov>
Cc: Claudio Guillermo <cmguillermo@fedex.com>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Steinbock, Bettina <Bettina.Steinbock@dep.state.fl.us>
Subject: RE: 21 cooler

Can any of you tell me the RQs associated with these tracking numbers?

John Watts
FDEP Laboratories
Environmental Administrator
245-8077

From: Watts, John
Sent: Friday, February 21, 2020 8:37 AM
To: Barrington, John <John.Barrington@floridadep.gov>; Armstrong, Rick <RArmstrong@leegov.com>; King, Michael <Michael.King@dep.state.fl.us>; Reistad, Nicole <Nicole.Reistad@floridadep.gov>
Cc: Claudio Guillermo <cmguillermo@fedex.com>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: FW: 21 cooler

Will check again later this morning to see if status has changed.

John Watts
FDEP Laboratories
Environmental Administrator
245-8077

From: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Sent: Friday, February 21, 2020 8:30 AM
To: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; McCoy, Ian <Ian.McCoy@FloridaDEP.gov>; Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>; Reynolds, Tyler <Tyler.Reynolds@dep.state.fl.us>; Shaik, Amzad <Amzad.Shaik@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>
Subject: 21 cooler

21 cooler

Tracking ID	Latest activity	Ship date	Shipper name
119031614595	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	Matthew Bearden

127840108579	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	Alexander Miranda
127840108650	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	Mike Linger
127840109130	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	DAIRIN FLORES
127840115890	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	Jeremy Parrish
127840116636	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	James Parnell
127840116739	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	Jeremy Parrish
127840118742	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	Mehrdad Farhangmehr
127840119429	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	LINDA WILINSKI
127840119500	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	LINDA WILINSKI
127840119874	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	Matthew Sewell
127840119885	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	Matthew Sewell
127840119896	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	Matthew Sewell
127840120098	In transit;At destination sort facility;TALLAHASSEE, FL	2/20/2020	LINDA WILINSKI
127840115490	In transit;MEMPHIS, TN	2/20/2020	John Barrington
127840115504	In transit;MEMPHIS, TN	2/20/2020	John Barrington
127840115515	In transit;MEMPHIS, TN	2/20/2020	John Barrington
127840115813	In transit;MEMPHIS, TN	2/20/2020	Rick Armstrong
127840115835	In transit;MEMPHIS, TN	2/20/2020	Michael King
127840117437	In transit;MEMPHIS, TN	2/20/2020	NICOLE REISTAD
127840117448	In transit;MEMPHIS, TN	2/20/2020	NICOLE REISTAD



JOSHUA AYRES

Environmental Specialist III

DEP Laboratories

Voice: 850.245.8206

joshua.Ayres@dep.state.fl.us

RQ-2020-02-17-55

Login Checklist

Login Station ID: #4

Shipping Method: FedEx | UPS | (HD) Greyhound

Date/Time of Receipt: 2-22-2020 / 9:45

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	
2.2				12		✓			127840117437
0.7				12		✓			127840117448

*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 ☒ 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:

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: 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: 2-22-2020 NCRs (Y/N)? Y

Event ID: 2020 SMP : Sebring Lakes
 SO-DIST-2020-02-22-02 (SMP) NCR # 8205

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:	#4 / Exp: 11-05-2020
pH Test Strips 0 – 6 Lot #	213316 AV / Exp: 5-15-2020
pH Paper 0 – 3 Lot #	N/A
pH Paper 0 – 13 Lot #	215517 / Exp: 6-1-2020
Chlorine Test Strips Lot #	8216 / Exp: 7-30-21

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: _____

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: SO-DIST

Project ID: SMP

Requester: Nicole Reistad

Field Report Prepared By: Chris Normark

Collected By: Gary Smith

Sampling Agency: SROC

Field ID/WIN ID G4SD0168	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/20/19 Time 1000	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Location Lake Damon @ Middle	Matrix (type, e.g., Salt, Fresh, etc) fresh	Diss. Oxygen 8.47	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
Latitude ☐ dd ☐ dms	Temp (C) 23.88	pH 7.31	Sample Depth 0.3	Sp. Conductance (umho/cm) 189	
Longitude ☐ dd ☐ dms	Salinity (ppt) 0.09	Comments			
Field ID/WIN ID G4SD0179	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/20/19 Time 1045	Eastern Central	Composite end Date Time	Bottle Group(s)
Location Lake Glenada @ Center	Matrix (type, e.g., Salt, Fresh, etc) fresh	Diss. Oxygen 11.93	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
Latitude ☐ dd ☐ dms	Temp (C) 24.42	pH 9.40	Sample Depth 0.3	Sp. Conductance (umho/cm) 208	
Longitude ☐ dd ☐ dms	Salinity (ppt) 0.10	Comments			
Field ID/WIN ID G4SD0169	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/20/19 Time 1155	Eastern Central	Composite end Date Time	Bottle Group(s)
Location Little Bonnet Lake	Matrix (type, e.g., Salt, Fresh, etc) fresh	Diss. Oxygen 9.45	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
Latitude ☐ dd ☐ dms	Temp (C) 25.07	pH 8.83	Sample Depth 0.3	Sp. Conductance (umho/cm) 253	
Longitude ☐ dd ☐ dms	Salinity (ppt) 0.10	Comments			
Field ID/WIN ID G4SD0180	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/20/19 Time 1230	Eastern Central	Composite end Date Time	Bottle Group(s)
Location Lake Denton @ Center	Matrix (type, e.g., Salt, Fresh, etc) fresh	Diss. Oxygen 8.77	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
Latitude ☐ dd ☐ dms	Temp (C) 23.75	pH 7.86	Sample Depth 0.3	Sp. Conductance (umho/cm) 278	
Longitude ☐ dd ☐ dms	Salinity (ppt) 0.13	Comments			

Relinquished By: GCS	Date/Time: 1/6/15	Shipping Method: FedEx	Number of Coolers Shipped: 2	Received By: SR	Date/Time: 2/22/2020/9:45
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6 Turb/color

JS 10:50 2/22/20

PO4 10:48
2/22/20 9:456 CHL
2/22/20

2 10:14 am

Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>6</u>
	W-PO4-F						

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: SO-DIST

Project ID: SMP

Requester: Nicole Reistad

Field Report Prepared By:

Chris Maravath

Collected By:

Greg Smith

Sampling Agency:

BROZ

Field ID/WIN ID G4SD0171	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/20/19 Time 1310	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Location LittleRedWaterLake@Mid	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 8.95	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms	Temp (C) 25.10	pH 7.41	Sample Depth 0.3	Sp. Conductance (umho/cm) 101	
Field ID/WIN ID G4SD0183	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/20/19 Time 1400	Eastern Central	Composite end Date Time	Bottle Group(s)
Location LittleLakeJackson@Centr	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 10.17	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms	Temp (C) 24.71	pH 8.64	Sample Depth 0.3	Sp. Conductance (umho/cm) 129	
Field ID	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	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)	
Field ID	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	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)	

Relinquished By: CS	Date/Time 1/6/19	Shipping Method Fedex	Number of Coolers Shipped: 2	Received By: SR	Date/Time 2-22-2020/9:45
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Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	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: 6	Preservative: FILTER-ICE		Enter Number of Bottles Sent to Lab _____
	W-PO4-F					

Date of Request: 04-FEB-2020
 Created By: REISTAD_N On: 04-FEB-2020
 Modified By: WATTS_J On: 05-FEB-2020
 Customer: SO-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: South District
 Sampling Event: 2020 SMP : Sebring Lakes

Send Coolers To:

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

Send Final Report To:

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: 05-FEB-2020

Biology Request Reviewed By: JASROTIA_P On: 05-FEB-2020

Sampling Kit Required: YES Ship on: 07-FEB-2020

Sampling Kit Shipped: YES On: 06-FEB-2020

Sampling Kit Packed By: KLUG_K

Preservatives Needed: NO

Date to Receive Samples: 17-FEB-2020

Received By:

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments: Group A: (June,Placid,Francis) Freshwater Nutrients

Bottle Group A (Water) With 6 Samples:

Bottle Type: P-1L	Number of Bottles: 6	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-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-2011) 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-2011) Total Dissolved Solids in aqueous matrices
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: 6	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: 6	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-2011) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 6	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