

Watts, John

From: Frederick, Nicole
Sent: Wednesday, March 15, 2017 2:35 PM
To: Watts, John
Cc: Kitchen, Shawn; Reynolds, Tyler; Steinbock, Bettina; Brown, Virginia P.; Fach, Blanca
Subject: RE: PO4 filtration

Lake Wauberg was sampled at 10:45, but W-PO4-F was not filtered until 1300. WBID 2741A, Field ID G1NE0114 03122017, and STORET 20020140. The other 2 sites and blank were samples within the 15 minutes.

From: Watts, John
Sent: Wednesday, March 15, 2017 2:15 PM
To: Frederick, Nicole <Nicole.Frederick@dep.state.fl.us>
Cc: Kitchen, Shawn <Shawn.Kitchen@dep.state.fl.us>; Reynolds, Tyler <Tyler.Reynolds@dep.state.fl.us>; Steinbock, Bettina <Bettina.Steinbock@dep.state.fl.us>; Brown, Virginia P. <Virginia.P.Brown@dep.state.fl.us>; Fach, Blanca <Blanca.Fach@dep.state.fl.us>
Subject: RE: PO4 filtration

Nicole, once you send this info, we will create an NCR and let the PO4 analyst and manager know which samples are affected. I attached the field sheets. An email stating which samples were not filtered is sufficient. I will scan the email and put it in with the other event documentation.

John Watts
Florida DEP Labs
Scientific Support Section
Voice: 850-245-8077
Direct: 58077

From: Watts, John
Sent: Wednesday, March 15, 2017 2:05 PM
Subject: RE: PO4 filtration

Nicole:

We have to know upon receipt of the sample. The best place is in the Comments. Also it will be Y-qualified for improperly preserved. Can you tell us which samples are affected? I see 4 on the COC, Wauberg, Moon, Hammock, Blank.

PO4 Sample IDs:

- 1880128
- 1880129
- 1880130
- 1880131

Not sure which ones are affected.

John Watts

Florida DEP Labs
Scientific Support Section
Voice: 850-245-8077
Direct: 58077

From: Frederick, Nicole
Sent: Wednesday, March 15, 2017 1:54 PM
To: Watts, John <John.Watts@dep.state.fl.us>
Subject: RE: PO4 filtration

It was Gainesville lakes and I meant I put it on the SMP fieldsheet. Not the Tallahassee COC. That needs to be added. I didn't know it needed to put on the COC for Tallahassee- thought the SMP fieldsheet was enough...and it would be entered into LIMS as J coded. From now on, I will add this if it occurs, which I hope it doesn't-haven't ran into this problem yet...

From: Watts, John
Sent: Wednesday, March 15, 2017 1:50 PM
To: Frederick, Nicole <Nicole.Frederick@dep.state.fl.us>
Subject: RE: PO4 filtration

Nicole, was it UEC South? If so I could not see where the unfiltered PO4 comment was entered. I also looked on Gainesville Lakes field sheets.

John Watts
Florida DEP Labs
Scientific Support Section
Voice: 850-245-8077
Direct: 58077

From: Frederick, Nicole
Sent: Wednesday, March 15, 2017 12:58 PM
To: Watts, John <John.Watts@dep.state.fl.us>
Subject: RE: PO4 filtration

We filtered it about 2 hours later. Jeremy was sampling near us and brought us his extra filter unit. I put it on the fieldsheet to be J coded, but I guess I will have to let lab know too?

From: Watts, John
Sent: Wednesday, March 15, 2017 12:50 PM
To: Frederick, Nicole <Nicole.Frederick@dep.state.fl.us>
Subject: PO4 filtration

I received your VM from Monday. I have been out Mon and Tue. I think you said that you were using a peristaltic pump to filter PO4 but was not working. I sent a message over to Nutrients and here is there answer.

For the preservation to be maintained the filtration has to be done within 15 minutes of sampling. If in any way possible the best would be to take a syringe/filter and filter the sample aliquot 'by hand' right after the aliquot is taken in the field.

We can do the filtration in the lab, if necessary, just make sure that the info about the sample not being filtered in the field is reliably communicated to us when the samples are logged in.

Performing the filtration back at the office does not prevent the qualifier and the info will need to reach us as well so that we know.

John Watts
Florida DEP Labs
Scientific Support Section
Voice: 850-245-8077
Direct: 58077

Gainesville Lakes

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: NE-DIST

Requester: Nicole Frederick

Field Report Prepared By:

N. Frederick

Project ID: SMP

Collected By:

N. Frederick / B. Davis

Sampling Agency:

NE ROC

Location	field ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/14/17 Time 1045	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Field ID		G1NE0114 03142017		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 8.12	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
STORET	Lake Wauberg			Temp (C) 19.42	pH 8.34	Sample Depth 0.3	Sp. Conductance (umho/cm) 89	
		20020140						
Latitude	29.5301	☒ dd ☐ dms	Longitude	82.3014	☒ dd ☐ dms	Salinity (ppt)	0.04	Comments
Loca	field ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/14/17 Time 1155	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field		G1NE0197 03142017		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 5.57	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
STO	Moon Lake			Temp (C) 18.21	pH 6.70	Sample Depth 0.3	Sp. Conductance (umho/cm) 152	
		G3NE0001						
Latitude	29.6802	☒ dd ☐ dms	Longitude	82.4061	☒ dd ☐ dms	Salinity (ppt)	0.07	Comments
Locatio	Field ID:		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/14/17 Time 1300	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field IC		BLANK 03142017		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
STORE	Blank			Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)	
		BLANK						
Latitude		☐ dd ☐ dms	Longitude		☐ dd ☐ dms	Salinity (ppt)		Comments
Locati	field ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/14/17 Time	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field I		G1NE0198 03142017		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 7.96	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
STOR	Hammock Lake			Temp (C) 19.24	pH 7.66	Sample Depth 0.3	Sp. Conductance (umho/cm) 317	
		G3NE0002						
Latitude	29.7066	☒ dd ☐ dms	Longitude	82.4433	☒ dd ☐ dms	Salinity (ppt)	0.15	Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Michelle	3/14/17 @ 1:50	FEDEX	①	Tyler Pryor	03/15/17 09:45 am

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

Group: A	Bottle Type: P-500ML	# of Bottles: 4	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: 4	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab
W-PO4-F				

Date of Request: 01-FEB-2017
 Created By: FREDERIC_N On: 01-FEB-2017
 Modified By: MATTHEWS_D On: 22-FEB-2017
 Customer: NE-DIST
 Project: SMP
 Division:
 District: Northeast District
 Sampling Event: Gainesville Lakes

Send Coolers To:

Phone: 904-256-1541
 8800 Baymeadows Way W
 Suite 100
 Jacksonville, FL 32256-7577
 Attn: Nicole Frederick

Program Module Number:
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 16-FEB-2017
 Biology Request Reviewed By: MATTHEWS_D On: 22-FEB-2017
 Sampling Kit Required: YES Ship on: 24-FEB-2017
 Sampling Kit Shipped: YES On: 22-FEB-2017
 Sampling Kit Packed By: GREENWOO_J
 Preservatives Needed: NO
 Date to Receive Samples: 15-MAR-2017
 Received By:

Send Final Report To:

8800 Baymeadows Way W
 Suite 100
 Jacksonville, FL 32256-7577
 Attn: Nicole Frederick

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

Comments: Group A: Freshwater Kit, No Metals

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 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
Bottle Type: BP-1L	Number of Bottles: 4	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 4	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: 4	Preserved With: ICE-FLTR
W-PO ₄ -F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Log-in Checklist

RQ- 2017-03-06-16

Shipping Method: Fedex

Date/Time of Receipt: 03/15/17 09:45 am

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		
Blue	-0.9	16		✓			811171111369

*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 ☐

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 (Blue dot on container)

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-AHERB-AA (-AHB-AA-R)			W-PCL-SQ (-R)		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PESTNP-R		
W-ENDO-AA			W-PSCL-TQ		
W-GLYPH			W-PSNP-TQ		
W-NP-AA-SF			W-PST-CL-R		
W-PAH (-R)			W-TR-TQ		
W-PCB-R			W-CT-Cl-R		

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: MR

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☐ NA ☒ Init: MR

Coolers Unpacked/Checked by: MR Date: 03/15/17 NCRs (Y/N)? N

Event ID: NE-DIST-2017-03-15-01 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

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 _____ No _____

If 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: _____

Additional Comments:

00135

01000

03475

fedex.com 1.800.GoFedEx 1.800.463.3339

06325007

FedEx Package
Express US Airbill

FedEx Tracking Number 8111 7111 1369

1 From 3/14/17

Date 3/14/17

Sender's Name Michelle Wright Phone 904 736 5200

Company NJE ROC

Address 8800 Bay Meadows Way

City Jaxs State FL ZIP 32256

2 Your Internal Billing Reference

3 To

Recipient's Name

Phone 850 245-8085

Company FLORIDA DEP/CHEMISTRY SECTION

Address 2600 BLAINSTONE RD

City TALLAHASSEE State FL ZIP 32399-6542

Address Use this line for the HUIO location address or for continuation of your shipping address.

0125636952



8111 7111 1369

4 Express Package Service

Next Business Day

FedEx First Overnight

FedEx Priority Overnight

FedEx Standard Overnight

FedEx Express Saver

FedEx Envelope*

Special Handling and Delivery Signature Options

No Signature Required

Does this shipment contain dangerous goods?

1 Payment Bill to

Sender

Recipient

Third Party

Credit Card

2 or 3 Business Days

FedEx 2Day A.M.

FedEx 2Day

FedEx Express Saver

FedEx Envelope*

Special Handling and Delivery Signature Options

No Signature Required

Does this shipment contain dangerous goods?

1 Payment Bill to

Sender

Recipient

Third Party

Credit Card

Cash/Check

Other

fedex.com 1.800.GoFedEx 1.800.463.3339