

Shaik, Amzad

From: Boman, Leif
Sent: Tuesday, June 02, 2020 15:40
To: Watts, John; Shaik, Amzad
Cc: Ayres, Joshua; Ayala, Natalie; Bates, Elizabeth
Subject: RE: Sample Collection Time and ICP ICPMS analyses.

I think that should work.

Sorry about that. I'll throw some ibuprofen in with our cooler we're shipping today.

Leif

From: Watts, John <John.Watts@FloridaDEP.gov>
Sent: Tuesday, June 2, 2020 2:49 PM
To: Boman, Leif <Leif.Boman@FloridaDEP.gov>; Shaik, Amzad <Amzad.Shaik@dep.state.fl.us>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Ayala, Natalie <Natalie.Ayala@FloridaDEP.gov>; Bates, Elizabeth <Elizabeth.Bates@FloridaDEP.gov>
Subject: Re: Sample Collection Time and ICP ICPMS analyses.

I think Amzad tried to get a list of metal components from another RQ. Not sure if it is what you wanted. I know how things go sideways. Your description below hurt my head.

John Watts
FDEP Laboratory
Scientific Services Support
850-245-8077 voice

Outlook Webmail

From: Boman, Leif <Leif.Boman@FloridaDEP.gov>
Sent: Tuesday, June 2, 2020 2:32 PM
To: Watts, John <John.Watts@FloridaDEP.gov>; Shaik, Amzad <Amzad.Shaik@dep.state.fl.us>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Ayala, Natalie <Natalie.Ayala@FloridaDEP.gov>; Bates, Elizabeth <Elizabeth.Bates@FloridaDEP.gov>
Subject: RE: Sample Collection Time and ICP ICPMS analyses.

My apologies,
Yesterday was a bit crazy for us. We went out to sample a status river which ended up getting cancelled. We tried to salvage the lost run by going back and grabbing a different kit and wanted to include a field blank with it. It ended up getting more chaotic than we expected. I'll try to break it down to make sense of it.

RQ-2020-03-09-37 - **G2CE011**: collection time 13:27
(originally part of RQ-2020-03-09-06) - **FB_06012020**: collection time 13:40

Long story short, we took the blank kit from RQ-2020-03-09-06, relabeled it and tried to add it RQ-2020-03-09-37. We ran into problems when filling out the custody sheets and didn't realize it in our rush to get it out the door in time.

Please let me know what else I can do to help correct this.

Best regards,
Leif

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

Sent: Tuesday, June 2, 2020 1:34 PM

To: Boman, Leif <Leif.Boman@FloridaDEP.gov>; Bates, Elizabeth <Elizabeth.Bates@FloridaDEP.gov>; Ayala, Natalie <Natalie.Ayala@FloridaDEP.gov>

Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Shaik, Amzad <Amzad.Shaik@dep.state.fl.us>

Subject: Re: Sample Collection Time and ICP ICPMS analyses.

CEN -DIST, if you're going to send a metals sample in with an RQ where metals have not been scheduled, IT IS CRITICAL that you indicate what components you want. Otherwise we have to look for or guess what components are needed.

John Watts
FDEP Laboratory
Scientific Services Support
850-245-8077 voice

Outlook Webmail

From: Shaik, Amzad <Amzad.Shaik@dep.state.fl.us>

Sent: Tuesday, June 2, 2020 1:25 PM

To: Boman, Leif <Leif.Boman@FloridaDEP.gov>; Bates, Elizabeth <Elizabeth.Bates@FloridaDEP.gov>; Ayala, Natalie <Natalie.Ayala@FloridaDEP.gov>

Cc: Watts, John <John.Watts@FloridaDEP.gov>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>

Subject: Sample Collection Time and ICP ICPMS analyses.

1)Field Blank received for RQ-2020-03-09-37, no collection time on submittal form or on the containers.

2)ICP, ICPMS sample container received for Field Blank, no metal analyses in the RQ. Metal sample logged in components selected from RQ-2020-03-09-06.

Please provide the Field Blank collection time by email.

Thanks.

Amzad Shaik
FLORIDA DEP LABS
Scientific Support Section
Office: 850-245-8081
Direct: 58081
Amzad.shaik@dep.state.fl.us

Login Checklist

RQ- 2020 - 03 - 09 - 37

Login Station ID: # 3

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 06-02-2020 / 10:25

Cooler Temperature*	Samples Frozen	* All Samples In Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only	
		YES	HNO ₃		Formalin	Present?		*Intact?		
						Yes	No	Yes		No
2.7C				8		X			13278 4012 3627	

*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 X 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 X If yes, is it intact? Yes No

**Caps on tight? Yes X No **Containers intact? Yes X No

**Sufficient Sample Volume: Yes X No

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

Chlorine detected? (One container checked per Field ID) Yes No Init: ABS

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 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: 06-02-2020

NCRs (Y/N)?

Event ID: CEN-DIST - 2020 - 06 - 02 - 0 /

NCR #

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:	IRTG#3 EXP:11/05/20
pH Test Strips 0 – 6 Lot #	2133AV EXP:05/15/2020 <i>2021</i>
pH Paper 0 – 3 Lot #	220416A EXP:07/31/2020
pH Paper 0 – 13 Lot #	231019 11-1-22 208717 EXP:03/31/2020 <i>11/22</i>
Chlorine Test Strips Lot #	8261 2021 /07

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: _____

Econ Trib / Fox / Kasey

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By: LEIF BOWAN

Project ID: SMP

Collected By: LEIF BOWAN / LIZ BATES

Sampling Agency: RIFL CEN

WIN ID / Field ID → Kasey lake @ Center		 G2CE0011		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 06/01/20 Time 13.27		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
		Matrix (type, e.g., Salt, Fresh, etc) FRESH		Diss. Oxygen 12.89		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)				A	
Temp (C) 31.0		pH 8.84		Sample Depth 0.3		☐ ft ☒ m		Sp. Conductance (umho/cm) 104.5					
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) 0.05		Comments: From AEL C.O.C. APP 06-02-20							
Field ID: FB_06012020				☐ Comp ☒ Grab		Collection (comp begin or grab) Date 06/01/20 Time 13.40		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
		Matrix (type, e.g., Salt, Fresh, etc) FRESH (D.I. H ₂ O)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)				A	
Temp (C) /		pH /		Sample Depth /		☐ ft ☐ m		Sp. Conductance (umho/cm) /					
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		Comments: By email: APP 6-2-20							
Location				☐ Comp ☐ Grab		Collection (comp begin or grab) Date Time		☐ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #				Temp (C)		pH		Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		Comments							
Location				☐ Comp ☐ Grab		Collection (comp begin or grab) Date Time		☐ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #				Temp (C)		pH		Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt)		Comments							

Relinquished By: LEIF BOWAN	Date/Time 06/01/2020 16:00	Shipping Method FEDEX	Number of Coolers Shipped: 1	Received By: APP	Date/Time 06-02-20 10:25
--------------------------------	-------------------------------	--------------------------	---------------------------------	---------------------	-----------------------------

(WE TOOK FIELD BLANK KIT FROM DIFFERENT RQ SO THIS RQ WOULD HAVE A FIELD BLANK.)

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	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: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0 (SENT TO AEL)
	CD-AEL-EC						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
	H2SO4 LOT# SA9301030 EXP: 10/28/2020						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	CHLSUITE-W						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	0

Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3				<u>1</u>
	W-NO2NO3				<u>18</u>
	W-S-A-TP				
	W-TKN				
	W-TOC				
Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F				<u>0</u>

Date of Request: 17-FEB-2020
 Created By: LINGER_M On: 17-FEB-2020
 Modified By: JASROTIA_P On: 20-FEB-2020
 Customer: CEN-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Central District
 Sampling Event: Econ Trib / Fox / Kasey

Send Coolers To:

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

Send Final Report To:

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

Program Module Number:
 Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 20-FEB-2020
 Biology Request Reviewed By: JASROTIA_P On: 20-FEB-2020
 Sampling Kit Required: YES Ship on: 28-FEB-2020
 Sampling Kit Shipped: YES On: 26-FEB-2020
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 09-MAR-2020
 Received By: SHAIK_A On: 02-JUN-2020

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

Comments: A: Econ / Kasey
 B: Fox

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	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: P-250ML-WI-THI	Number of Bottles: 2	Preserved With: ICE
CD-AEL-EC	Template: DEFAULT	(EPA 1603) E. coli by MF by AEL in Altamonte Springs
Bottle Type: BP-1L	Number of Bottles: 2	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: 2	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: 2	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

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO ₃ /L

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-1L		Number of Bottles: 1	Preserved With: ICE
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-SO4-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: 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-2011) 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	

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.