

RQ- 2020-02-10-48

Login Checklist

Login Station ID: #2Shipping Method: FedEx | UPS | HD | GreyhoundDate/Time of Receipt: 2/10/2020 @ 9:20

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
<u>3.8</u>				<u>6</u>		☒			<u>1278 4011 4438</u>	

*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: IM

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: IM

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

Coolers Unpacked/Checked by: IM Date: 2/10/2020

NCRs (Y/N)? Y

Event ID: CEN-DIST-2020-02-10-02 (BMAP)

NCR # 8169

Date Received: 10-FEB-2020 09:20

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:	REC_02_2018 EXP: 4/29/20
pH Test Strips 0 – 6 Lot #	
pH Paper 0 – 3 Lot #	
pH Paper 0 – 13 Lot #	215517 EXP: 6/1/20
Chlorine Test Strips Lot #	7226 EXP: 7/2020

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: _____

McCoy, Ian

From: Ayres, Joshua
Sent: Monday, February 10, 2020 9:25 AM
To: Bearden, Matthew; Ashton, Judy; Linger, Michael; Parrish, Jeremy M.; GuerronOrejuela, Edgar
Cc: Lab.Receiving
Subject: RE: Coolers arriving - 25?

Importance: High

Attention All –

We just received the missing coolers from Friday, we're currently evaluating to see if anything can be salvaged. But the odds are not in our favor after 3 days.

Do you want qualified data or new kits to resample?



JOSHUA AYRES
Environmental Specialist III
DEP Laboratories
Voice: 850.245.8206
joshua.Ayres@dep.state.fl.us

From: Watts, John <John.Watts@FloridaDEP.gov>
Sent: Monday, February 10, 2020 08:04
To: Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Cc: Ashton, Judy <Judy.Ashton@dep.state.fl.us>; Parrish, Jeremy M. <Jeremy.M.Parrish@FloridaDEP.gov>; Linger, Michael <Michael.Linger@FloridaDEP.gov>; GuerronOrejuela, Edgar <Edgar.GuerronOrejuela@dep.state.fl.us>
Subject: RE: Coolers arriving - 25?

Josh, would you notify Matt, Jeremy, Mike and Edgar when/if the expected coolers arrive today?

Tracking ID	Status	Latest activity	Scheduled	Scheduled Ship date	Shipper name
127840084556	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 Judy Ashton
127840109093	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 DAIRIN FLORES
127840109439	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 NICK BARNES
127840109510	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Mehrdad Farhangmehr
127840110178	In transit	In transit;LEESBURG, FL	2/7/2020	10:30 AM	2/6/2020 LINDA WILINSKI
127840110215	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Andrea Wilcock
127840110373	In transit	In transit;DUNEDIN, FL	2/7/2020	10:30 AM	2/6/2020 ROBERT MCCARTY
127840110785	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Chase Conley
127840111439	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 Judy Ashton
127840111597	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 James Parnell
127840111807	At local FedEx facility	In transit;At local FedEx facility;ORLANDO, FL	2/7/2020	10:30 AM	2/6/2020 AMANDA CHASE
127840111873	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Matthew Sewell
127840112126	In transit	In transit;JACKSONVILLE, FL	2/7/2020	10:30 AM	2/6/2020 Jeremy Parrish
127840112137	In transit	In transit;JACKSONVILLE, FL	2/7/2020	10:30 AM	2/6/2020 Jeremy Parrish
127840112148	In transit	In transit;JACKSONVILLE, FL	2/7/2020	10:30 AM	2/6/2020 Jeremy Parrish
127840112192	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Julie Brader Drevenkar
127840112207	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Julie Brader Drevenkar
127840112218	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Julie Brader Drevenkar
127840112229	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Julie Brader Drevenkar
127840113729	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 Matthew Bearden
127840114265	In transit	In transit;MEMPHIS, TN	2/7/2020	10:30 AM	2/6/2020 Michael Linger
127840114438	In transit	In transit;MEMPHIS, TN	2/7/2020	10:30 AM	2/6/2020 Mike Linger
127840114714	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Jordan Skaggs
127840115353	In transit	In transit;MEMPHIS, TN	2/7/2020	10:30 AM	2/6/2020 Mike Linger
475187806817	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 EDGAR GUERRAN OREJUELA

John Watts
FDEP Laboratories
Environmental Administrator
245-8077

From: Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>
Sent: Monday, February 10, 2020 6:40 AM
To: Watts, John <John.Watts@FloridaDEP.gov>
Cc: Ashton, Judy <Judy.Ashton@dep.state.fl.us>
Subject: RE: Coolers arriving - 25?

Bummer...

Let us know what you can salvage when they do arrive (hopefully today).

Matthew Bearden
SW ROC

From: Watts, John <John.Watts@FloridaDEP.gov>
Sent: Friday, February 7, 2020 11:33 AM
To: Lab.Receiving <Lab.Receiving@floridadep.gov>
Cc: Ashton, Judy <Judy.Ashton@dep.state.fl.us>; Wilinski, Linda <Linda.Wilinski@flhealth.gov>; McCarty, Robert G <Robert.McCarty@flhealth.gov>; Parnell, James J. <James.J.Parnell@FloridaDEP.gov>; Parrish, Jeremy M. <Jeremy.M.Parrish@FloridaDEP.gov>; Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>; Linger, Michael <Michael.Linger@FloridaDEP.gov>; GuerronOrejuela, Edgar <Edgar.GuerronOrejuela@dep.state.fl.us>
Subject: RE: Coolers arriving - 25?

We received 12 of the 25 coolers that we expected. The FedEx driver said another flight into Tallahassee was not expected. There is a small chance that coolers will be trucked up here from mid-Florida. Not sure.

If you have samples that show in the list at bottom that they are **in Transit**, then we will likely receive them Monday.

Preserved and long hold time, no problem.

Short hold micro, unpreserved nutrients, chlorophyll, a problem.



John H. Watts

Florida Department of Environmental Protection
FDEP Laboratories
DEAR-Scientific Services Support
Environmental Administrator
John.Watts@floridadep.gov
Office: 850-245-8077

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

Sent: Friday, February 7, 2020 10:17 AM

Subject: RE: Coolers arriving - 25?



FedEx Express National Service Disruption

Friday, February 7, 2020

FedEx Express experienced substantial disruptions at the Memphis hub last night due to winter weather. Potential delays are possible for package deliveries across the U.S. with a delivery commitment of February 7, 2020. FedEx is committed to provide service to the best of our ability. Please continue to check fedex.com for updates.

John Watts
FDEP Laboratories
Environmental Administrator
245-8077

From: Watts, John

Sent: Friday, February 7, 2020 9:17 AM

Subject: RE: Coolers arriving - 25?

This may be due in part to the inclement weather we (and Memphis Hub) had yesterday. I will continue to check status. Often more coolers show up than is indicated.

John Watts
FDEP Laboratories
Environmental Administrator

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

Sent: Friday, February 7, 2020 9:08 AM

Subject: Coolers arriving - 25?

Not sure how many will actually show this morning, maybe just 10. Receiving, please ask the driver if more are arriving later today.

Tracking ID	Status	Latest activity	Scheduled	Scheduled Ship date	Shipper name
127840084556	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 Judy Ashton
127840109093	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 DAIRIN FLORES
127840109439	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 NICK BARNES
127840109510	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Mehrdad Farhangmehr
127840110178	In transit	In transit;LEESBURG, FL	2/7/2020	10:30 AM	2/6/2020 LINDA WILINSKI
127840110215	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Andrea Wilcock
127840110373	In transit	In transit;DUNEDIN, FL	2/7/2020	10:30 AM	2/6/2020 ROBERT McCARTY
127840110785	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Chase Conley
127840111439	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 Judy Ashton
127840111597	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 James Parnell
127840111807	At local FedEx facility	In transit;At local FedEx facility;ORLANDO, FL	2/7/2020	10:30 AM	2/6/2020 AMANDA CHASE
127840111873	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Matthew Sewell
127840112126	In transit	In transit;JACKSONVILLE, FL	2/7/2020	10:30 AM	2/6/2020 Jeremy Parrish
127840112137	In transit	In transit;JACKSONVILLE, FL	2/7/2020	10:30 AM	2/6/2020 Jeremy Parrish
127840112148	In transit	In transit;JACKSONVILLE, FL	2/7/2020	10:30 AM	2/6/2020 Jeremy Parrish
127840112192	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Julie Brader Drevenkar
127840112207	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Julie Brader Drevenkar
127840112218	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Julie Brader Drevenkar
127840112229	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Julie Brader Drevenkar
127840113729	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 Matthew Bearden
127840114265	In transit	In transit;MEMPHIS, TN	2/7/2020	10:30 AM	2/6/2020 Michael Linger
127840114438	In transit	In transit;MEMPHIS, TN	2/7/2020	10:30 AM	2/6/2020 Mike Linger
127840114714	At destination sort facility	In transit;At destination sort facility;TALLAHASSEE, FL	2/7/2020	10:30 AM	2/6/2020 Jordan Skaggs
127840115353	In transit	In transit;MEMPHIS, TN	2/7/2020	10:30 AM	2/6/2020 Mike Linger
475187806817	In transit	In transit;TAMPA, FL	2/7/2020	10:30 AM	2/6/2020 EDGAR GUERRAN OREJI



John H. Watts

Florida Department of Environmental Protection

FDEP Laboratories

DEAR-Scientific Services Support

Environmental Administrator

John.Watts@floridadep.gov

Office: 850-245-8077

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Strategic Monitoring Program
CHAIN OF CUSTODY FORM

Date: 02/06/2020

Customer: FDEP

RQ - 02-10-47 7K 02-10-48

Number of Coolers Shipped: 1 7K

Terry Riordan

Collected By: Mike Drennan

Sampling Agency: 21FLCEN

Project ID: BMAP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB.

FIELD ID (Labels) submitted under this RQ for this collection date.

WIN ID / Field ID →

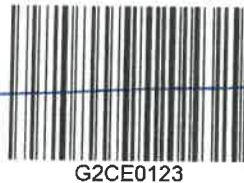
Long Branch @ 0.7 mi
DS of CR 13



RQ-02-10-48

WIN ID / Field ID →

Sweetwater Creek @ Florida Ave



7K
RQ-02-10-47
7K

WIN ID / Field ID →

Salt Creek @ Packard Ave



7K

RELINQUISHED BY (SIGNATURE): [Signature] DATE/TIME: 2/6/2020 1320

☒ EST
☐ CST

THIS SECTION IS TO BE COMPLETED BY THE LABORATORY

Received/ Inspected By (signature): [Signature]

Received/ Inspected Date: 2/10/20 Received/ Inspected Time: 9:20

☒ EST
☐ CST

Sample Receipt Temperature (Degrees Centigrade): 3.8



RQ-2020- 02-10-48

Customer: FDEP

Project ID: BMAP

Collected By: Terry Riordan, Mike Drennan

Field Report Prepared By: Terry Riordan

Sampling Agency: CEROC

WIN ID / Field ID →

Long Branch @ 0.7 mi
DS of CR 13



G2CE0036

Comments:

Matrix: ☒ Fresh / ☐ Marine

(Check one)

☒ GRAB

☐ COMPOSITE

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
2/6/20	1012	6.15	66.0	18.7	6.50	0.15	0.3	0.3	304.3	0.15
	(EST/CST)						☒ VOB (S)			

Cental Lab please use top row for login purposes

	(EST/CST)									

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (P-500ML)	☒ W-NH3 / ☐ W-NO2NO3 / ☐ W-TKN / ☐ W-TOC / ☐ W-S-A-TP Lot # _____ E: _____	H2SO4 ☒ Ice < 2 LOT# SA9010030 EXP: 04/10/2020	☒ < 2	1	A
Metals (P-500ML)	☒ W-ICPMS ☒ W-ICP ☐ W-HARD Lot # _____ E: _____	HNO3 ☒ Ice < 2 LOT# NA9129070 EXP: 05/09/20	☒ < 2	1	A
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter Filter Lot # 16930280 Exp: _____ Syringe Lot # 9149785 Exp: _____	☒ Ice			
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice		1	A
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E Coli ☐ F Coli ☐ Enterococci ☒ Contract Lab	☒ Ice		0	A
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TO ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CAR8-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			
BOD (P-1L)	☒ BOD-UNIN	☒ Ice		1	A

Relinquished By:	Date/Time:	Shipping Method:	Number of Coolers Shipped:	Received By:	Date/Time:
------------------	------------	------------------	----------------------------	--------------	------------

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Email Submittal form to : lab.receiving@floridadep.gov.



☒	Altamonte Springs: 380 Northlake Blvd., Suite	 * A 2 0 0 1 3
☐	Gainesville: 4965 SW 41st Blvd. • Gainesville, FL	
☐	Jacksonville: 6681 Southpoint Pkwy. • Jacksonville	
☐	Miramar: 10200 USA Today Way • Miramar, FL 330	
☐	Tallahassee: 2639 North Monroe Street, Suite D	
☐	Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327	



.937.1597

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge Preservation Code: I = ice H=(HCl) S = (H₂SO₄) N = (HNO₃) T = (Sodium Thiosulfate)

Received on Ice ☒ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank

☐ Where required, pH checked Temperature when received 4 (in degrees celcius)

DCN: AD-051 Form last revised 04/30/2015

Device used for measuring Temp by unique Identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V

FOR DRINKING WATER USE:

PWS ID:

Contact Person: _____ Phone: _____

Supplier of Water: _____

Site-Address: _____

Cooler Packing Worksheet for Request: RQ-2020-02-10-48

Long Branch

Ship Cooler On: 1/31/2020

Customer/Project: CEN-DIST/BMAP

Assigned To: MCCOY_I

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 # 00075981

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 (not valid for NPDES monitoring)

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-1L

Qty: 1 Preservation: ICE

Lot # 00075981

Description: Plastic Bottle 1L

Analysis

BOD-UNIN

Description

BOD, NOT nitrogen-inhibited

Container ID: P-250ML-WI-THI

Qty: 1 Preservation: ICE

Lot # L19304#

Description: 250 ml Sterilized with tablet

Analysis

Description

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1263470

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 # 00075720

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 # 00075720

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 # 00075961

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: IM Number of Coolers: 1 Date: 1/28/20

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-2020-02-10-48

Date of Request: 23-JAN-2020
 Created By: LINGER_M On: 23-JAN-2020
 Modified By: JASROTIA_P On: 24-JAN-2020
 Customer: CEN-DIST
 Project: BMAP
 Division: Division of Environmental Assessment and Restoration
 District: Central District
 Sampling Event: Long Branch

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: 24-JAN-2020
 Biology Request Reviewed By: JASROTIA_P On: 24-JAN-2020
 Sampling Kit Required: YES Ship on: 31-JAN-2020
 Sampling Kit Shipped: YES On: 28-JAN-2020
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 10-FEB-2020
 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:**Bottle Group A (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
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-1L	Number of Bottles: 1	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
Bottle Type: P-250ML-WI-THI	Number of Bottles: 1	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: 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
Barium		
Calcium		
Iron		
Magnesium		
Potassium		
Sodium		
Zinc		

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

*Boron
 Aluminum
 Antimony
 Arsenic
 Cadmium
 Chromium
 Copper
 Lead
 Nickel
 Selenium
 Silver
 Thallium

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.