

Klug, Kyle

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 OREJ

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
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John H. Watts

Florida Department of Environmental Protection

FDEP Laboratories

DEAR-Scientific Services Support

Environmental Administrator

John.Watts@floridadep.gov

Office: 850-245-8077

Log-in Checklist

RQ- 2020-02-10-51

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 2/ 10 /20 @ 9:20

Cooler Temperature*	Samples Frozen	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
0.6				6		✓			1278 4011 4265

* HNO₃ 1.5% if

* HNO₃ and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **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: KK

Chlorine detected? (One container checked per Field ID)

Yes ☐ No ☒ Init: KK

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: KK

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

Coolers Unpacked/Checked by: KK Date: 2/ 10 /20

NCRs (Y/N)? Y

Event ID: Boggy Creek / Lk Toho Drain
CEN-DIST-2020-02-10-03 (SMP)
 Date Received: 10-FEB-2020 09:20

NCR # 8172

Log-in 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:	IR TEMP GUN #5 EXP:11-5-20
pH Test Strips 0 – 6 Lot #	
pH Paper 0 – 3 Lot #	220416A EXP:7/30/20
pH Paper 0 – 13 Lot #	215517 EXP:6/1/20
Chlorine Test Strips Lot #	091417V EXP:9/2021

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: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Strategic Monitoring Program

CHAIN OF CUSTODY FORMDate: 2/6/20Collected By: Mike Linger / Left BomanCustomer: CEN - DISTSampling Agency: FDEP CE RocRQ - 2020-02-10-51Project ID: SMP

Number of Coolers Shipped: _____

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 →

Boggy Creek @ 80m SE
of J Lawson Blvd

G4CE0181

WIN ID / Field ID →

Boggy Creek @ 1100m
South of Boggy Creek Rd

G4CE0127

RELINQUISHED BY (SIGNATURE): [Signature]DATE/TIME: 2/6/20 1600☒ EST
☐ CST**THIS SECTION IS TO BE COMPLETED BY THE LABORATORY**Received/ Inspected By (signature): KKReceived/ Inspected Date: 2-10-20Received/ Inspected Time: 9:20☒ EST
☐ CSTSample Receipt Temperature (Degrees Centigrade): 0.6



RQ-2020- 02-10-51

Customer: CEN-DIST

Project ID: SMP

Collected By: Mike Linger / Leif Boman

Field Report Prepared By: Mike Linger

Sampling Agency: FDEP CEROC

WIN ID / Field ID →

Boggy Creek @ 1100m
South of Boggy Creek Rd

G4CE0127

Comments:

* 1 sent to contract lab
GAE

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 (PPTH)
2/6/20	1031 EST / CST	7.65	81.8	18.7	6.74	0.3	0.9 ✓ VOB (S)	0.9	174.3	0.08

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 # SA9301030 Exp: 10/28/20	☒ Ice ☒ H2SO4* ☒ <2		1	B
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD Lot # Exp:	☐ Ice ☐ HNO3* ☐ <2			
Filtered Nutrients (P125ML)	☒ W-P04-F ☒ Field Filtered 0.45 µm Filter Filter Lot # 16930280 Syringe Lot # 9149785	☒ Ice		1	B
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	B
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-S04-IC / W-TDS	☒ Ice		1	B
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		1*	B
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ WE8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			

Name:

Mike Linger

Signature:

Mike Linger

Date:

2/6/20

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



RQ-2020- 02-10-51

Customer: CEN-DIST

Project ID: SMP

Collected By: Mike Linger / Leif Boman

Field Report Prepared By: Mike Linger

Sampling Agency: FDEP CEROC

WIN ID / Field ID →

Boggy Creek @ 80m SE
of J Lawson Blvd

G4CE0181

Comments:

★ 1 sent to contract
lab - AEL

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	1005 EST / CST	8.16	86.1	18.0	7.03	0.3	0.9 ☒ VOB (S)	0.9	166.4	0.08

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 # _____ Exp: _____	☐ Ice ☐ H2SO4* ☐ <2			
Metals (P-500ML)	☐ W-ICPMS ☐ W-ICP ☐ W-HARD Lot # _____ Exp: _____	☐ Ice ☐ HNO3* ☐ <2			
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter Filter _____ Lot # _____ Syringe _____ Lot # _____	☐ Ice			
Chlorophyll (BP-1L)	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
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		1 ★	A
Molecular (QPCR-P-500ML)	☒ PCR-HF183 ☒ PCR-BacR ☒ PCR-DG3 ☐ PCR-GULL2 ☐ PCR-GFD ☐ See Notes	☒ Ice		1	A
Tracers (BG-500ML)	☒ W-E8321-DI ☒ W-E8321-MS	☒ Ice		1	A
Pesticides (BG-500ML) (BG-1L)	☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-CARB-AA (5 ml of MCAA** Buffer Solution)	☐ Ice			

Name:

Mike Linger

Signature:

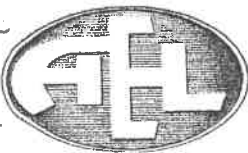
Mike Linger

Date:

2/6/20

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution



**Advanced
Environmental Laboratories, Inc.**

- | | |
|-------------------------------------|---|
| ☒ | Altamonte Springs: 380 Northlake Blvd., Suite 1048 • Altamonte Springs, FL 32701 • 407.937.1594 • Fax 407.937.1597 |
| ☐ | Gainesville: 4965 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.395.6639 |
| ☐ | Jacksonville: 6681 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354 |
| ☐ | Miramar: 10200 USA Today Way • Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281 |
| ☐ | Tallahassee: 2639 North Monroe Street, Suite D • Tallahassee, FL 32303 • 850.219.6274 • Fax 850.219.6275 |
| ☐ | Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327 |

Client Name: FDEP		Project Name: SMP		BOTTLE SIZE & TYPE																
Address: 3319 Maguire Blvd Orlando, FL 32803		P.O. Number or Project Number: B5A496		ANALYSIS REQUIRED	E Coli															
Phone: 407-897-4100		FDEP Facility No:																		
FAX:		Project Address:																		
Contact: Mike Linger		Special Instructions: <i>RQ-2020-02-10-51</i>																		
Sampled By: Mike Linger																				
Turn Around Time: ☒ STANDARD ☐ RUSH																				
Page: 1 of 1		☐ ADaPT ☐ EQuIS ☐ Other																		
SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE TIME		MATRIX	NO. COUNT	PRESERVATION	Ice												
	G4CE0127	G	2/6	1031	SW	1		X												
	G4CE0181	G	2/6	1005	SW	1		X												
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 <u> X </u> (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																				
Relinquished by:		Date	Time	Received by:		Date	Time	FOR DRINKING WATER USE:												
1/1/20		2/6	1121	[Signature]		2/6/20	1121	PWS ID: _____												
2/								Contact Person: _____ Phone: _____												
3/								Supplier of Water: _____												
4/								Site-Address: _____												

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: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Central District
 Sampling Event: Boggy Creek / Lk Toho Drain

Send Coolers To:

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

Send Final Report To:

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

Program Module Number:

Priority: 3
 Event Status: R
 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: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 10-FEB-2020
 Received By: KLUG_K On: 10-FEB-2020

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

Comments: A: Boggy
 B: Toho Drain

Bottle Group A (Water) With 1 Samples:

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: QPCR-P-500ML	Number of Bottles: 1	Preserved With: ICE
PCR-BACR	Template: DEFAULT	(SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction
PCR-DG3	Template: DEFAULT	(SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

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
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: 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

Bottle Group B (Water) With 1 Samples:

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.

Cooler Packing Worksheet for Request: RQ-2020-02-10-51

Boggy Creek / Lk Toho Drain

Ship Cooler On: 1/31/2020

Customer/Project: CEN-DIST/SMP

Assigned To: REYNOLDS_T

Requester: Michael Linger

Priority: 3

407-894-4180
FL Dept. of Environmental Protection
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767

Attn: Michael Linger

Comments:

No preservatives needed.

A: Boggy

B: Toho Drain

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-250ML-WI-THI

Qty: 1

Preservation: ICE

Lot #

419125

Description: 250 ml Sterilized with tablet

Analysis

CD-AEL-EC

Description

E. coli by MF by AEL in Altamonte Springs

Container ID: QPCR-P-500ML

Qty: 1

Preservation: ICE

Lot #

00073849

Description: 500ml Sterile Nalgene

Analysis

PCR-BACR

PCR-DG3

PCR-HF183

Description

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML

Qty: 1

Preservation: ICE

Lot #

00076025

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: B**# of Sites: 1****Container ID: P-1L****Qty: 1 Preservation: ICE****Lot #** 06675290**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-250ML-WI-THI**Qty: 1 Preservation: ICE****Lot #** 219125**Description: 250 ml Sterilized with tablet****Analysis**

CD-AEL-EC

Description

E. coli by MF by AEL in Altamonte Springs

Container ID: BP-1L**Qty: 1 Preservation: ICE****Lot #** 1263740**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: ICE And H2SO4****Lot #** 02074433**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: Tyler K

Number of Coolers: 1

Date: 01/27/20

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-2020-02-10-51