

McCoy, Ian

From: Musson, Curtis
Sent: Monday, August 17, 2020 2:45 PM
To: McCoy, Ian; Ayala, Natalie
Cc: Ayres, Joshua; Boman, Leif
Subject: RE: Cooler Out of Temp

Ian,
Login the metals and Pesticides. Cancel the nutrients and chlorophyll.

Curtis

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Sent: Monday, August 17, 2020 2:42 PM
To: Ayala, Natalie <Natalie.Ayala@FloridaDEP.gov>; Musson, Curtis <Curtis.Musson@FloridaDEP.gov>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Boman, Leif <Leif.Boman@FloridaDEP.gov>
Subject: RE: Cooler Out of Temp

Has there been an update regarding this event?

From: Ayala, Natalie <Natalie.Ayala@FloridaDEP.gov>
Sent: Friday, August 14, 2020 11:55 AM
To: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>; Musson, Curtis <Curtis.Musson@FloridaDEP.gov>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Boman, Leif <Leif.Boman@FloridaDEP.gov>
Subject: Re: Cooler Out of Temp

Curtis,

Can you advise on what the lab should do with these samples? This was for Lake Leonore WBID 1619C, Nuts+Metals+Pesticides.

Sidenote: SW collected this for us. If we can squeeze an extra allocation out somewhere and get a kit to them in time they may be able to resample it for us pretty quickly.

Thanks,
Natalie

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Sent: Friday, August 14, 2020 11:38 AM
To: Ayala, Natalie <Natalie.Ayala@FloridaDEP.gov>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: Cooler Out of Temp

Good morning, I received a cooler (Tracking #: 9117 6381 0432) today that was out of temp (9.3 Celsius). The cooler contained RQ-2020-08-10-46, given that this is an SMP project, would you like any of the data qualified? Should only a few of the samples be logged in or do you want to resample everything? Attached is a scan of the scheduler for the event, all samples were received.

Sorry to be the bearer of bad news, have a great Friday!

Ian McCoy
Laboratory Technician IV
850-245-8062
Florida Department of Environmental Protection

SMP Project

Login Protocol

The SMP project can't (with certain exceptions) use either Y or Q qualified data and would rather have Receiving not login these samples. It's considered a waste of laboratory resources to analyze affected samples that will be qualified, and their data will not be used by the SMP project.

1. The SMP project does not want "Y" qualified preserved nutrients, unpreserved nutrients, microbiology, Chlorophyll, or metals data. (I.e. preservation NCR; acid or ice).
 - Preservation Exception: **qPCR and organic samples** (They still want these data)
 - Preservation NCR ("Y" qualifier) are acceptable for temperature and chlorine detections for these analyses.

Note: *Unpreserved metals samples may be preserved/acidified in the lab upon receipt and do not need to be qualified if they are analyzed 24 or more hours after acidification.*

2. The SMP project does not want "Q" qualified preserved or unpreserved nutrients data. (I.e. Out of hold time).
 - Hold Time Exception: **microbiology, qPCR, and organic samples** (They still want these data)
 - Out of hold time ("Q" qualifiers) are acceptable for these analyses.

RQ-2019-07-29-45	
Printed: 10/24/2019 10:15:58 AM	
Date of Request:	10-JUL-2019
Created By:	REISTAD_N On: 10-JUL-2019
Modified By:	JASROTIA_P On: 11-JUL-2019
Customer:	SO-DIST
Project:	SMP
Division:	Division of Environmental Assessment and Restoration
District:	South District
Sampling Event:	2019 SMP: Nowhere
Send C	
Phone: 239-344 FLDEP South D 2295 Victoria A Fort Myers, FL Attn: Nicole Re	

Example of SMP Project RQ

If a preservation or holding time issue is observed, notify John Watts, Curtis Musson, and Joshua Ayres.

RQ- 2020-08-10-46

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | GreyhoundDate/Time of Receipt: 8/14/2020 10:35

*Cooler Temperature	Samples Frozen?	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
9.3				15		✓			9117 6381 0432

COOLER CHECK

*All samples received on ice unless otherwise noted. HNO₃ and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 °C (above 10.0 °C for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# 8394
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# _____
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# _____
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# _____

Chain of Custody/ Field Sheet(s) Included?

Yes _____ No _____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes _____ No _____

CONTAINER CHECK

Evidence Tape on Bottles?

Yes _____ No _____ NA ☒

Evidence Tape intact? Yes _____ No _____

If Criminal, photographs taken?

Yes _____ No ☒Containers intact? Yes ☒ No _____

Caps on tight?

Yes ☒ No _____

Sufficient Sample Volume:

Yes ☒ No _____If NO is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# _____

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes ☒ No _____ Init: IM

Chlorine detected? (One container checked per Field ID)

Yes _____ No ☒ Init: IM

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# _____

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

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

Coolers Unpacked/Checked by: IMDate: 8/14/2020Event contains NCRs (Y/N)? YEvent ID: Lake Leonore
CEN-DIST-2020-08-14-02 (SMP)Page 1 of 2, 06/15/2020, 1:00 PM ES 100000
Date Received: 14-AUG-2020 10:35

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #2 exp:11/5/20
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	231019 exp: 11/1/22
Chlorine Test Strips	8261 exp: 07/2021

No ice in cooler, all melted.
-IM 8/14/20

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ Init: _____

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 _____

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

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
CHAIN OF CUSTODY FORM

Date: 8/13/2020 10:29 **Collected By:** Sarah Meyer, Francisco Faria
Customer: CE-DIST **Sampling Agency:** FDEP
RQ: RQ-2020-08-10-46 **Project ID:** SMP

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

Number of Coolers Shipped: 1

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

Site Location	Field ID/WIN ID
Lake Lenore	 G4CE0184

RELINQUISHED BY(SIGNATURE): Sarah Meyer

DATE/TIME: 08/13/2020

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: IM

Rec'd/Inspected Date: 8/14/20



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Lake Lenore

Date: 8/13/2020

WIN/Field ID: G4CE0184

WBID: 1619C

ENR:

Latitude:

County: Polk

Org ID: 21FLCEN

Longitude:

Receiving Body of Water: None

RQ- 2020-08-10-46

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
☒	Sarah Meyer	x		x	x	x
☒	Francisco Faria		x		x	x
☐						
☐						

Sampling Equipment	
☒ Sample Container	☐ Carboy <u>CarboyEquipID</u>
☐ Dipper	☐ Van Dorn <u>VDEquipID</u>
☐ Syringe	☐ Pole
Depth measured with: Secchi	
Secchi Equipment ID: Secchi #2	
Collection Method	
☐ Wading	☐ Canoe/Kayak
☐ From Shore	☒ Electric Motor
☐ Other _____	☐ Gasoline Motor

Water Level: ☒ Normal ☐ Low ☐ High ☐ Dry ☐ Pooled ☐ Flooded						Meter ID# LEIA										
Photos: NO	Flow: NA		Tide:		Tide Times: High: Low:											
Biological Samples Collected: ☒ None ☐ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI Other:																
SBIO ID Numbers:																
Notes:																

Duplicate Sample

Time Zone: EST	Time: N/A	Field ID: N/A	(WIN ID_DUP)
WIN DMT Activity ID:			

Blank

Time Zone:	Time: N/A	Field ID: N/A	(Blank Type_DDMMYYYY)
DI Source: N/A	Location: N/A		
DI Type: N/A	Equipment ID: N/A		

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: (Initials/Date)

Scan/Save Field Sheets (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)



RQ-2020-08-10-46

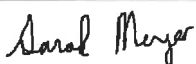
Customer: WQAP

Project ID: SMP

Collected By: Sarah Meyer, Francisco Faria

Field Report Prepared By: Sarah Meyer

Sampling Agency: FDEP

Place Label Here						Comments:				
WIN ID/Field ID:  G4CE0184										
Location: Lake Lenore										
Matrix: Fresh						(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)
8/13/2020	10:29 EST	7.05	93.8	30.3	7.87	0.3	0.5 ☐ VOB (S)	3.4	298.1	0.14
Central Lab please use top row for login purposes										
	10:35 EST	3.33	43.6	30	7.59	2.9			296.6	0.14
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				☒ Ice ☒ H2SO4*		☒ <2	1	A
		Lot #	SA9354050		Exp:	12/20/2020				
Metals (P-500ML)		☒ W-ICPMS ☒ W-ICP ☒ W-HARD				☒ Ice ☒ HNO3*		☒ <2	1	A
		Lot #	NA9354060		Exp:	12/20/2020				
Filtered Nutrients (P125ML)		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice			1	A
		Filter Lot #	17020459							
		Syringe Lot #	9240193							
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				
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			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			9	A
						☐ Ice				
Name: Sarah Meyer Francisco Faria				Signature: 				Date: 08/13/2020		

*2.0 ml of Preservative used unless noted otherwise.

**MCAA: Monochloroacetic acid buffer solution

Date of Request: 31-JUL-2020
 Created By: BOMAN_L On: 31-JUL-2020
 Modified By: JASROTIA_P On: 03-AUG-2020
 Customer: CEN-DIST
 Project: SMP
 Division:
 District: Southwest District
 Event Description: Lake Leonore

Send Coolers To:

Phone: 813-470-5951
 FL Dept. of Environmental Protection
 13051 N Telecom Parkway
 Temple Terrace, FL 33637
 Attn: Matthew Bearden
 Cooler Ship EMail: Matthew.Bearden@dep.state.fl.us

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 03-AUG-2020
 Biology Request Reviewed By: JASROTIA_P On: 03-AUG-2020
 Sampling Kit Required: YES Ship on: 05-AUG-2020
 Sampling Kit Shipped: YES On: 05-AUG-2020
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 10-AUG-2020
 Logged In By:

Send Final Report To:

FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Kalina Warren
 Report Notification EMail: natalie.ayala@dep.state.fl.us

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: 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: BG-500ML	Number of Bottles: 1	Preserved With: CH ₂ ClCOOH Pre-Preserved
W-CARB-AA	Template: DEFAULT	(EPA 8321B) Carbamates in water matrices by HPLC/MS/MS
Bottle Type: BG-500ML	Number of Bottles: 4	Preserved With: ICE
W-CT-Cl-R	Template: DEFAULT	(EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Template:	(EPA 8270E) Organochlorine pesticides in water matrices by GC/MS-SIM
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 Type: P-500ML	Number of Bottles: 1	Preserved With: HNO ₃
W-HARD	Template: DEFAULT	(SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO ₃
Hardness		
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		

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML		Number of Bottles: 1	Preserved With: HNO3
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	
Calcium			
Iron			
Magnesium			
Potassium			
Sodium			
Zinc			
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	
Bottle Type: BG-1L		Number of Bottles: 4	Preserved With: ICE
W-PSNP-TQ	Template: DEFAULT	(EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	

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