

Klug, Kyle

From: Klug, Kyle
Sent: Wednesday, September 4, 2019 10:28 AM
To: King, Michael; Bunch, Cheryl
Cc: Watts, John; Ayres, Joshua; Slade, Christopher "Stopher"
Subject: RE: RQ-2019-07-29-14 | Missing cooler

Can do. We will give you an update on the samples once they arrive tomorrow.

Kyle

From: King, Michael <Michael.King@dep.state.fl.us>
Sent: Wednesday, September 4, 2019 10:24 AM
To: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>
Cc: Watts, John <John.Watts@FloridaDEP.gov>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Slade, Christopher "Stopher" <Christopher.Slade@dep.state.fl.us>
Subject: RE: RQ-2019-07-29-14 | Missing cooler

Thank you for the update. Please run if within temp hold.

Mike

From: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>
Sent: Wednesday, September 4, 2019 9:16 AM
To: King, Michael <Michael.King@dep.state.fl.us>; Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>
Cc: Watts, John <John.Watts@FloridaDEP.gov>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: RQ-2019-07-29-14 | Missing cooler
Importance: High

Good morning,

It seems the second cooler for this RQ got stuck in transit and will not arrive until tomorrow. These are the sites we are missing:

G3NW0163
G3NW0162
G3NW0045
G3NW0141

Thank you,

Log-in Checklist

RQ- 2019-07-29-14

Login Station ID: #5

Shipping Method: RedEx | UPS | HD | Greyhound

Date/Time of Receipt: 9/ 4 /19 @ 9:55

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	
1.6				12		✓			4751 8781 7310

* 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:

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: 9/ 4 /19 NCRs (Y/N)? N

Event ID: EGLIN RUN EAST/WEST
NW-DIST-2019-09-04-01 (SMP)
 Date Received: 04-SEP-2019 09:55 NCR #

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:	REC_07_2018 EXP:12/28/19
pH Test Strips 0 – 6 Lot #	
pH Paper 0 – 3 Lot #	220416A EXP:7/30/20
pH Paper 0 – 13 Lot #	222516 EXP:9/15/19
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

Central Laboratory Submittal Form

Customer: NW-DIST

Project ID: SMP

Requester: Michael King

Collected By:

Field Report Prepared By:

Sampling Agency:

Location	Field/WIN ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/3/19 Time 1120	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Field ID	Location:	G3NW0150	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 7.24	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B
WIN/ST	Toms Creek upstream of Hwy 85		Temp (C) 23.7	pH 6.09	Sample Depth 0.2	☐ ft ☒ m	Sp. Conductance (umho/cm) 24.9	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.01	Comments			
Location	Field/WIN ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/3/19 Time 1145	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	Location:	G3NW0001	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 2.12	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B
WIN/ST	Direct Runoff to Choctawhatchee Bay below Oregon Dr		Temp (C) 26.5	pH 6.52	Sample Depth 0.2	☐ ft ☒ m	Sp. Conductance (umho/cm) 190.9	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.09	Comments			
Location	Field/WIN ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/3/19 Time 1208	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	Location:	G3NW0142	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 4.53	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B
WIN/ST	Gap Creek powerline South of Overbrook Drive		Temp (C) 25.3	pH 6.04	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 103.9	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.05	Comments			
Location	Field/WIN ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Time	Bottle Group(s)
Field ID	Location:		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B
WIN/STORET #	WIN/ST		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

J. Hode

1630 9/3/19

Fedex

2

HR

9.4.19/9:55

Group: A	Bottle Type:	P-1L	# of Bottles: 1	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: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	NW-UWF-ECQ					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP					
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	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: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 6	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: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>6</u>
Group: B	Bottle Type: NW-UWF-ECQ	TEST HAS NO BOTTLE	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>6</u> <i>Sent To Contract Lab VWF</i>
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 6	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>6</u> H2SO4 LOT# SA8344070 EXP: 12/10/2019
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 6	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab <u>6</u>
Group: C	Bottle Type: ALKALINITY TURBIDITY W-BR-IC W-F W-TSS	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
Group: C	Bottle Type: NW-UWF-ENQ	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u> <i>Sent To Contract Lab VWF</i>
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>1</u> H2SO4 LOT# SA8344070 EXP: 12/10/2019
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab <u>1</u>

Customer: NW-DIST

Project ID: SMP

Requester: Michael King

Collected By: S. Slade / m. King

Field Report Prepared By: S. Slade

Sampling Agency: FDEP NWROC

Location	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/3/19 Time 0940	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)	
Field ID	Location	G3NW0163		Matrix (type, e.g., Salt Fresh, etc)	Diss. Oxygen 6.53	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STOR	Alaqua Creek at Park boat ramp			Temp (C) 25.4	pH 5.86	Sample Depth 0.3	Sp. Conductance (umho/cm) 2014	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 1.02	Comments			C
Location	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/3/19 Time 1020	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	Location	G3NW0162		Matrix (type, e.g., Salt Fresh, etc)	Diss. Oxygen 7.47	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STOR	Shaw Still Branch upstream E College Blvd			Temp (C) 24.4	pH 6.57	Sample Depth 0.2	Sp. Conductance (umho/cm) 2104	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.10	Comments			B
Location	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/3/19 Time 1040	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	Location	G3NW0045		Matrix (type, e.g., Salt Fresh, etc)	Diss. Oxygen 8.45	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STOR	Deer Moss Creek upstream College Blvd			Temp (C) 22.6	pH 6.93	Sample Depth 0.3	Sp. Conductance (umho/cm) 148.9	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.07	Comments			B
Location	Field/WIN ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/3/19 Time 1100	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	Location	G3NW0141		Matrix (type, e.g., Salt Fresh, etc)	Diss. Oxygen 5.24	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STOR	Mill Creek Upstream of Bayshore Drive			Temp (C) 28.6	pH 6.42	Sample Depth 0.3	Sp. Conductance (umho/cm) 70.1	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.03	Comments			B

Relinquished By: S. Slade	Date/Time: 9/3/19 1630	Shipping Method: FedEx	Number of Coolers Shipped: 2	Received By:	Date/Time:
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Cooler not received

Group: A	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: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	CHLSUITE-W						
Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	NW-UWF-ECQ						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	0
	W-ICP				HNO3		
	W-ICPMS				LOT# NA9099030		
					EXP: 04/09/20		
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
					H2SO4		
					LOT# SA8344070		
					EXP: 12/10/2019		
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: NW-DIST

Project ID: SMP

Requester: Michael King

Collected By: *S. Slade / m. King*Field Report Prepared By: *S. Slade*Sampling Agency: *FDEP NWROC*

Location	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>9/3/19</i> Time <i>0940</i>	Eastern <i>Central</i>	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)	
Field ID		G3NW0163		Matrix (type, e.g., <i>Salt</i> , Fresh, etc)	Diss. Oxygen <i>6.53</i>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STOR	Location:	Alaqua Creek at Park boat ramp		Temp (C) <i>25.4</i>	pH <i>5.86</i>	Sample Depth <i>0.3</i>	Sp. Conductance (umho/cm) <i>2014</i>	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <i>1.02</i>	Comments			<i>C</i>
Location	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>9/3/19</i> Time <i>1020</i>	Eastern <i>Central</i>	Composite end Date _____ Time _____	Bottle Group(s)	
Field ID		G3NW0162		Matrix (type, e.g., <i>Salt</i> , <i>Fresh</i> , etc)	Diss. Oxygen <i>7.47</i>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STOR	Location:	Shaw Still Branch upstream E College Blvd		Temp (C) <i>24.4</i>	pH <i>6.57</i>	Sample Depth <i>0.2</i>	Sp. Conductance (umho/cm) <i>2104</i>	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <i>0.10</i>	Comments			<i>B</i>
Location	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>9/3/19</i> Time <i>1040</i>	Eastern <i>Central</i>	Composite end Date _____ Time _____	Bottle Group(s)	
Field ID		G3NW0045		Matrix (type, e.g., <i>Salt</i> , <i>Fresh</i> , etc)	Diss. Oxygen <i>8.45</i>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STOR	Location:	Deer Moss Creek upstream College Blvd		Temp (C) <i>22.6</i>	pH <i>6.93</i>	Sample Depth <i>0.3</i>	Sp. Conductance (umho/cm) <i>1488</i>	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <i>0.07</i>	Comments			<i>B</i>
Location	Field/WIN ID →		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>9/3/19</i> Time <i>1100</i>	Eastern <i>Central</i>	Composite end Date _____ Time _____	Bottle Group(s)	
Field ID		G3NW0141		Matrix (type, e.g., <i>Salt</i> , <i>Fresh</i> , etc)	Diss. Oxygen <i>5.24</i>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STOR	Location:	Mill Creek Upstream of Bayshore Drive		Temp (C) <i>28.6</i>	pH <i>6.42</i>	Sample Depth <i>0.3</i>	Sp. Conductance (umho/cm) <i>70.1</i>	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) <i>0.03</i>	Comments			<i>B</i>

Requested By: <i>S. Slade</i>	Date/Time <i>9/3/19 1630</i>	Shipping Method <i>Fedex</i>	Number of Coolers Shipped: <i>2</i>	Received By:	Date/Time
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Group: A	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: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	CHLSUITE-W						
Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	NW-UWF-ECQ						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	0
	W-ICP				HNO3		
	W-ICPMS				LOT# NA9099030		
					EXP: 04/09/20		
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
					H2SO4		
					LOT# SA8344070		
					EXP: 12/10/2019		
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						

Document Reference # 05.1.0

Sample received by: John Allen of WRL

Date/Time: 09/03/19 11412

Sampler's initials : DD

Instructions: Fill in all fields except "Lab ID" on sample transport form completely. Each sample container must use a separate line. Place this form in a waterproof bag and place it with the samples for transport. If a field log or other chain of custody is attached, that information may be referenced on this form and the log or COC attached.

[illegible]

Comments sample container lot# CR013V

RQ-2019-07-29-14

Contact organization FDEP

Contact name __Michael King

Phone: (850) 595-8300

Address 160 W Governmental Street, suite 208, Pensacola, FL 32502

Sampler's name: Stopher Slade

¹Matrix: SW = surface water, PW = pore water, GW = ground water, S = soil/sediment, X =

²Type codes: G = grab, C = composite, X = _____

³ Recorded using IRT-2

Date of Request: 17-JUN-2019
 Created By: KING_M On: 17-JUN-2019
 Modified By: JASROTIA_P On: 11-JUL-2019
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Sampling Event: EGLIN RUN EAST/WEST

Send Coolers To:

Phone: 850-595-0605
 160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Michael King

Program Module Number:

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 11-JUL-2019
 Biology Request Reviewed By: JASROTIA_P On: 11-JUL-2019
 Sampling Kit Required: YES Ship on: 19-JUL-2019
 Sampling Kit Shipped: YES On: 15-JUL-2019
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 29-JUL-2019
 Received By:

Send Final Report To:

160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch

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

Comments: Group A: Freshwater
 (WBID 468) Nutrients, Metals, Bacteria

 Group B: Freshwater
 (WBID 644,674,843A,874,620,658) Nutrients, Bacteria

 Group C: Marinewater
 (WBID 658) Nutrients,Bacteria

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	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 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: TEST HAS NO	Number of Bottles: 1	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola
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		

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-00) 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 Group B (Water) With 6 Samples:

Bottle Type: P-500ML	Number of Bottles: 6	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-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 6	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: P-1L	Number of Bottles: 6	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/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-SO4-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 using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 6	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: TEST HAS NO	Number of Bottles: 6	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L

Bottle Group C (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-BR-IC	Template: DEFAULT	(EPA 300.0) Bromide in aqueous matrices	
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	
W-TSS	Template: DEFAULT	(SM 2540 D-97) 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: TEST HAS NO		Number of Bottles: 1	Preserved With: ICE
NW-UWF-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola	
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-00) 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.