

McCoy, Ian

From: King, Michael
Sent: Wednesday, April 28, 2021 11:17 AM
To: McCoy, Ian
Subject: RE: Missing Cooler?

Great news. Thank you Ian.

Mike K

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Sent: Wednesday, April 28, 2021 10:03 AM
To: King, Michael <Michael.King@dep.state.fl.us>
Subject: RE: Missing Cooler?

They arrived within the short-hold's threshold so they shouldn't be qualified. They were in temp to boot, you guys did an excellent job packing this kit.

From: King, Michael <Michael.King@dep.state.fl.us>
Sent: Wednesday, April 28, 2021 10:58 AM
To: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Cc: Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: RE: Missing Cooler?

I just noticed they were all nutrient samples so we will have to reschedule if they will be Q qualified. Is this the case for all of them?

Mike K

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>
Sent: Wednesday, April 28, 2021 9:46 AM
To: King, Michael <Michael.King@dep.state.fl.us>; Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: RE: Missing Cooler?

The Cooler arrived, the samples were in temp but a day late, would you like the information qualified or would you prefer to resample?

From: King, Michael <Michael.King@dep.state.fl.us>
Sent: Tuesday, April 27, 2021 12:59 PM
To: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>; Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: RE: Missing Cooler?

Ian,

Our field sampler noted that it was delayed. Please let us know if it comes in within temperature hold and if the samples can be run. Bad news is better than no news. I appreciate you letting us know.

Mike K.

From: McCoy, Ian <Ian.McCoy@FloridaDEP.gov>

Sent: Tuesday, April 27, 2021 11:57 AM

To: King, Michael <Michael.King@dep.state.fl.us>; Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>

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

Subject: Missing Cooler?

Good afternoon, I received RQ-2021-04-26-52 and noticed after login that only one of the two coolers was received. Sites G4NW0380, G4NW0502, and G4NW0200 were received with no problems but G4NW0436 and G4NW0435 are likely still in transit.

Sorry to be the bearer of bad news, just wanted to confirm that the second cooler was shipped?

Ian McCoy

Laboratory Technician IV

850-245-8062

Florida Department of Environmental Protection

RQ-2021-04-26-52

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 4/28/2021 10:45

*Cooler Temperature	Samples Frozen? YES	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
		HNO ₃	Formalin		Present?		*Intact?		
					Yes	No	Yes	No	
1-7				8			✓		1Z 1YR 217849914 9928

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 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# _____
- 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# 8802

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: _____

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: IM

Date: 4/28/2021

Event contains NCRs (Y/N)? Y

Event ID:

Milton East Run

NW-DIST-2021-04-28-01 (SMP)

Page 1 of 2, 06/15 Date Received: 28-APR-2021 10:45

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #2 exp:10/28/21
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	231019 exp: 11/1/22
Chlorine Test Strips	0129 exp: 03/2023

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: _____

2 CHL
pm 1051
4.28.21

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 4/26/2021 **Collected By:** Frank Butera, Nathan Mulkey
Customer: NW-DIST **Sampling:** FDEP
RQ: RQ-2021-04-26-52 **Agency:**
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: 2

Delivery Method: UPS

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

Site Location	Field ID/WIN ID
Bear Creek @ Forest Rd. 0.7 Miles West of Bear Lake	 G4NW0380
Big Coldwater Creek upstream of HWY 4	 G4NW0502
Manning Creek at Whitfield Road (North Side)	 G4NW0200
Big Coldwater Creek West fork upstream of Walling Rd	 G4NW0436
Manning Creek upstream of Manning Creek Rd	 G4NW0435

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 4/26/2021

1105 16:30 CTZ
FB

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

**Rec'd/Inspected
Date:**

Not
Received
under
this event
-IM
4/28/21



RQ-2021-04-26-52

Customer: FDEP

Project ID: SMP

Collected By: Frank Butera, Nathan Mulkey

Field Report Prepared by: Frank Butera, Nathan Mulkey

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G4NW0380

Location: Bear Creek @ Forest Rd. 0.7 Miles West of Bear Lake

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
4/26/2021 943 CTZ	7.45	80.4	19.2	5.37	0.08	0.177	0.177	19.4	0.01

Central Lab please use top row for login purposes

Parameter Suite	Parameter Methods										Preservation				pH Check	# Bottles sent to Lab	Bottle Group				
Preserved Nutrients (P-500ML)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP										X	Ice	X	H2SO4*	X	<2	1	A		
		Lot #		SA0293040			Exp:		10/19/2021												
Metals (P-500ML)		W-ICPMS			W-ICP			W-HARD				Ice		HNO3*		<2					
		Lot #					Exp:														
Filtered Nutrients (P125ML)	X	W-PO4-F			X	Field Filtered 0.45 um Filter					X	Ice					1	A			
		Filter Lot #		17097890																	
		Syringe Lot #		79929																	
Chlorophyll (BP-1L)	X	CHL SUITE-W										X	Ice						1	A	
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS										X	Ice						1	A	
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY											Ice								
Macroinvertebrates (PJ-2L)		MI-FW-QLDC											Ice								
Periphyton (PT-50ML)		ALGAE-ID											Ice								
Microbiology (Contract Lab Bottle)		E Coli			F Coli			Enterococci				Ice									
		Contract Lab																			
Molecular (QPCR-P-500ML)		PCR-HF183			PCR-BacR			PCR-DG3				Ice									
		PCR-GULL2			PCR-GFD																
Tracers (BG-500ML)		W-E8321-DI			W-E8321-MS								Ice								
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		W-E8321-MS				W-PSNP-TQ				Ice									
								W-DIELDRIN													
		W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)				W-CT-CL-R													
Phytoplankton		DTY-QN-C			PKD-QN-BV							Ice									



RQ-2021-04-26-52

Customer: FDEP

Project ID: SMP

Collected By: Frank Butera, Nathan Mulkey

Field Report Prepared by: Frank Butera, Nathan Mulkey

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G4NW0502

Comments: Samples collected in Central Time Zone

Location: Big Coldwater Creek upstream of HWY 4

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
4/26/2021 1020 CTZ	8.21	84.8	16.9	5.27	0.3	1.05	1.05	40.1	0.02

Central Lab please use top row for login purposes

Parameter Suite	Parameter Methods						Preservation		pH Check	# Bottles sent to Lab	Bottle Group		
Preserved Nutrients (P-500ML)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				X	Ice	X	H2SO4*	X	<2	1	A
		Lot #		SA029304		Exp:		10/19/2021					
Metals (P-500ML)		W-ICPMS		W-ICP		W-HARD		Ice		HNO3*		<2	
		Lot #				Exp:							
Filtered Nutrients (P125ML)	X	W-PO4-F		X	Field Filtered 0.45 um Filter		X	Ice				1	A
		Filter Lot #		17097890									
		Syringe Lot #		79929									
Chlorophyll (BP-1L)	X	CHLSUITE-W				X	Ice						
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W- TDS				X	Ice		1			A	
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY					Ice						
Macroinvertebrates (PJ-2L)		MI-FW-QLDC					Ice						
Periphyton (PT-50ML)		ALGAE-ID					Ice						
Microbiology (Contract Lab Bottle)		E Coli		F Coli		Enterococci			Ice				
		Contract Lab											
Molecular (QPCR-P-500ML)		PCR-HF183		PCR-BacR		PCR-DG3			Ice				
		PCR-GULL2		PCR-GFD									
Tracers (BG-500ML)		W-E8321-DI		W-E8321-MS					Ice				
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		W-E8321-MS		W-PSNP-TQ			Ice				
						W-DIELDRIN							
		W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R							
Phytoplankton		DTY-QN-C		PKD-QN-BV					Ice				



RQ-2021-04-26-52

Customer: FDEP

Project ID: SMP

Collected By: Frank Butera, Nathan Mulkey

Field Report Prepared by: Frank Butera, Nathan Mulkey

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G4NW0200

Location: Manning Creek at Whitfield Road (North Side)

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
4/26/2021 1044 CTZ	6.19	64.2	17.1	4.61	0.08	0.15	0.15	19.2	0.01

Central Lab please use top row for login purposes

Parameter Suite	Parameter Methods										Preservation			pH Check	# Bottles sent to Lab	Bottle Group			
Preserved Nutrients (P-500ML)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP										X	Ice	X	H2SO4*	X	<2	1	A
	Lot #			SA0293040			Exp:		10/19/2021										
Metals (P-500ML)		W-ICPMS			W-ICP			W-HARD			Ice		HNO3*		<2				
	Lot #						Exp:												
Filtered Nutrients (P125ML)	X	W-PO4-F			X	Field Filtered 0.45 um Filter					X	Ice				1	A		
	Filter Lot #			17097890															
	Syringe Lot #			79929															
Chlorophyll (BP-1L)	X	CHLSUITE-W										X	Ice					1	A
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS										X	Ice			1	A		
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY											Ice						
Macroinvertebrates (PJ-2L)		MI-FW-QLDC											Ice						
Periphyton (PT-50ML)		ALGAE-ID											Ice						
Microbiology (Contract Lab Bottle)		E Coli			F Coli			Enterococci				Ice							
		Contract Lab																	
Molecular (QPCR-P-500ML)		PCR-HF183			PCR-BacR			PCR-DG3				Ice							
		PCR-GULL2			PCR-GFD														
Tracers (BG-500ML)		W-E8321-DI			W-E8321-MS								Ice						
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		W-E8321-MS				W-P5NP-TQ				Ice							
								W-DIELDRIN											
		W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)				W-CT-CL-R											
Phytoplankton		DTY-QN-C			PKD-QN-BV							Ice							



RQ-2021-04-26-52	Collected By: Frank Butera, Nathan Mulkey
Customer: FDEP	Field Report Prepared by: Frank Butera, Nathan Mulkey
Project ID: SMP	Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G4NW0435

Location: Manning Creek upstream of Manning Creek Rd

Matrix: Fresh

Comments:

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
4/26/2021 1129	7.71	81.9	18.4	5.51	0.3	0.6	0.9	25.8	0.01

Central Lab please use top row for login purposes

Parameter Suite	Parameter Methods						Preservation			pH Check		# Bottles sent to Lab	Bottle Group			
Preserved Nutrients (P-500ML)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					X	Ice	X	H2SO4*	X	<2	1	A		
		Lot #		SA029304		Exp:		10/19/2021								
Metals (P-500ML)		W-ICPMS		W-ICP		W-HARD			Ice		HNO3*		<2			
		Lot #				Exp:										
Filtered Nutrients (P125ML)	X	W-PO4-F		X	Field Filtered 0.45 um Filter			X	Ice				1	A		
		Filter Lot #		17097890												
		Syringe Lot #		79929												
Chlorophyll (BP-1L)	X	CHLSUITE-W					X	Ice					1	A		
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS					X	Ice								1
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY						Ice								
Macroinvertebrates (PJ-2L)		MI-FW-QLDC						Ice								
Periphyton (PT-50ML)		ALGAE-ID						Ice								
Microbiology (Contract Lab Bottle)		E Coli		F Coli		Enterococci			Ice							
		Contract Lab														
Molecular (QPCR-P-500ML)		PCR-HF183		PCR-BacR		PCR-DG3			Ice							
		PCR-GULL2		PCR-GFD												
Tracers (BG-500ML)		W-E8321-DI		W-E8321-MS					Ice							
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		W-E8321-MS		W-PSNP-TQ			Ice							
						W-DIELDRIN										
		W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R										
Phytoplankton		DTY-QN-C		PKD-QN-BV					Ice							



RQ-2021-04-26-52

Customer: FDEP

Project ID: SMP

Collected By: Frank Butera, Nathan Mulkey

Field Report Prepared by: Frank Butera, Nathan Mulkey

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G4NW0436

Location: Big Coldwater Creek West fork upstream of Walling Rd

Comments:

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTH					
4/26/2021 1105 CTZ	8.03	85.1	18.3	5.71	0.3	0.59	0.59	39.4	0.02					
Central Lab please use top row for login purposes														
Parameter Suite		Parameter Methods				Preservation		pH Check		# Bottles sent to Lab	Bottle Group			
Preserved Nutrients (P-500ML)		X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP			X	Ice	X	H2SO4*	X	<2	1	A	
		Lot #		SA0293040		Exp:		10/19/2021						
Metals (P-500ML)			W-ICPMS		W-ICP	W-HARD		Ice		HNO3*		<2		
		Lot #				Exp:								
Filtered Nutrients (P125ML)		X	W-PO4-F		X	Field Filtered 0.45 um Filter		X	Ice			1	A	
		Filter Lot #		17097890										
		Syringe Lot #		79929										
Chlorophyll (BP-1L)		X	CHLSUITE-W				X	Ice	1			A		
Physical/Aggregate (Fresh) (P-1L)		X	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS				X	Ice	1			A		
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY					Ice							
Macroinvertebrates (PJ-2L)		MI-FW-QLDC					Ice							
Periphyton (PT-50ML)		ALGAE-ID					Ice							
Microbiology (Contract Lab Bottle)		E Coli		F Coli		Enterococci		Ice						
		Contract Lab												
Molecular (QPCR-P-500ML)		PCR-HF183		PCR-BacR		PCR-DG3		Ice						
		PCR-GULL2		PCR-GFD										
Tracers (BG-500ML)		W-E8321-DI		W-E8321-MS				Ice						
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		W-E8321-MS		W-PSNP-TQ		Ice						
						W-DIELDRLIN								
		W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)		W-CT-CL-R								
Phytoplankton		DTY-QN-C		PKD-QN-BV				Ice						

Date of Request: 13-APR-2021
 Created By: KING_M On: 13-APR-2021
 Modified By: JASROTIA_P On: 16-APR-2021
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Event Description: Milton East Run

Send Coolers To:

Phone: 850-595-0605
 160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Michael King
 Cooler Ship EMail: michael.king@dep.state.fl.us

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 15-APR-2021
 Biology Request Reviewed By: JASROTIA_P On: 16-APR-2021
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped:
 Sampling Kit Packed By:
 Preservatives Needed: NO
 Date to Receive Samples: 26-APR-2021
 Logged In By: MCCOY_I On: 27-APR-2021

Send Final Report To:

160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch
 Report Notification EMail:
 Michael.King@dep.state.fl.us;Cheryl.Bunch@dep.state.fl.us

Comments: Group A: (WBID 179, 11, 127) Freshwater Nutrients

Bottle Group A (Water) With 5 Samples:

Bottle Type: P-1L	Number of Bottles: 5	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: 5	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: 5	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: 5	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