

McCoy, Ian

From: McCoy, Ian
Sent: Friday, September 11, 2020 1:25 PM
To: Liddick, Drew; Skaggs, Jordan
Cc: Ayres, Joshua (Joshua.Ayres@dep.state.fl.us)
Subject: Samples Arrived Late/Out of Temp NCR 8419/8420

Good afternoon, today I received RQ-2020-08-31-54 and all three coolers arrived a day later than anticipated (NCR 8419) and two of the three coolers arrived out of temp (NCR 8420). The Out of Temp coolers were "1278 4013 2220" and "9117 6381 4313". Due to being an SMP project, samples were logged in based on SMP Protocol, resulting in the Temp affected nutrient samples not being logged in and set aside for discard. The cooler that was not Temp affected was "9117 6381 4324" who's samples were logged in fully as we received them early enough to run without expiration.

Sorry to be the bearer of bad news. If you have any questions, feel free to ask.
Hope you have a great weekend!

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](#)) us either Y or Q qualified data and would rather Receiving not login these samples. It's considered a waste of laboratory resources to analyze affected samples that will be qualified, and their data not be used by the SMP project.

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](#))
 - o Preservation NCR ("Y" qualifier) are acceptable for temperature and chlorine detections for these analyses.

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](#))
 - o 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 Rei	

Example of SMP Project RQ

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

McCoy, Ian

From: Ayres, Joshua
Sent: Friday, September 11, 2020 1:27 PM
To: McCoy, Ian
Subject: FW: Expiring Samples Arriving Today
Importance: High



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

From: Ayres, Joshua
Sent: Friday, September 11, 2020 08:26
To: Carbone, Irina <Irina.Carbone@dep.state.fl.us>; Power, Diane <Diane.Power@dep.state.fl.us>; Tate, Kerry <Kerry.Tate@dep.state.fl.us>; Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Cc: Watts, John <John.Watts@FloridaDEP.gov>
Subject: Expiring Samples Arriving Today
Importance: High

Heads up!

We have 8 coolers with expiring samples arriving with today's FedEx shipment.

Tracking ID	Shipper name	Shipper company	Status with details
127840156710	Andrea Wilcock	Hernando Co. Health Dept.	At destination sort facility; TALLAHASSEE,
127840132220	Drew Liddick	FL DEP C/O University of Florida	At destination sort facility; TALLAHASSEE,
127840156170	James Doak	SFWMD	At destination sort facility; TALLAHASSEE,
127840156180	James Doak	SFWMD	At destination sort facility; TALLAHASSEE,
911763814313	Jordan Skaggs	Florida DEP-Southeast District	At destination sort facility; TALLAHASSEE,
911763814324	Jordan Skaggs	Florida DEP-Southeast District	At destination sort facility; TALLAHASSEE,
127840139980	Mariela Batista	Miami Dade Co. Health Dept.	At destination sort facility; TALLAHASSEE,
911763813420	Michael King	Florida DEP-Northwest District	At destination sort facility; TALLAHASSEE,



JOSHUA AYRES

Environmental Specialist III

DEP Laboratories

Voice: 850.245.8206

joshua.Ayres@dep.state.fl.us

McCoy, Ian

From: Ayres, Joshua
Sent: Wednesday, February 26, 2020 12:14 PM
To: Klug, Kyle; McCoy, Ian; Reeves, Shawn D; Reynolds, Tyler; Shaik, Amzad
Cc: Wright, Colin; Watts, John
Subject: SMP login Protocol
Attachments: SMP.docx

Importance: High

Hey Gang –

When using the SMP login instruction for qualified samples, remember to add a comment in the NCR and include a copy of the SMP protocol to the event file. This will help clear up any confusion during authorization.

SMP NCR Resolution Comment: Samples logged in based on the SMP Login Protocol.

SMP Login Protocol: Form is located in \\fldep1\Dear\Labs\BizhubScans\Receiving\Forms



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

McCoy, Ian

From: Ayres, Joshua
Sent: Thursday, September 10, 2020 2:07 PM
To: Liddick, Drew; Doak, James; Skaggs, Jordan; King, Michael; Wilcock, Andrea E
Cc: Lab.Receiving
Subject: Coolers stuck in transit

Importance: High

Each of you have a Cooler stuck in transit.

Once coolers arrive we'll notify you of their condition and which samples have exceeded holding times & temperature.

Tracking ID	Shipper name	Shipper company	Status with details	S
127840132220	Drew Liddick	FL DEP C/O University of Florida	In transit; PORT ST LUCIE, FL	9
127840156170	James Doak	SFWMD	In transit; PALM CITY, FL	9
127840156180	James Doak	SFWMD	In transit; PALM CITY, FL	9
911763814313	Jordan Skaggs	Florida DEP-Southeast District	In transit; PORT ST LUCIE, FL	9
911763814324	Jordan Skaggs	Florida DEP-Southeast District	In transit; PORT ST LUCIE, FL	9
911763813420	Michael King	Florida DEP-Northwest District	In transit; MEMPHIS, TN	9
127840156710	Andrea Wilcock	Hernando Co. Health Dept.	At destination sort facility; TALLAHASSEE, FL	9



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

RQ-2020-08-31-54

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 9/11/2020 9:50

*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? Yes No	*Intact? Yes No			
9.8 17.0 2.4				10 10 6		✓			1278 4013 7220 911763814313 911763814324

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# 8420
- 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# 8419

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: IM

Date: 9/11/2020

Event contains NCRs (Y/N)? YEvent ID: SMP- 3147 North Canal
SE-DIST-2020-09-11-01 (SMP)

Page 1 of 2, 06 Date Received: 11-SEP-2020 09:50

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

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

Additional Comments:

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 Central Laboratory Submittal Form

SMP- 3147 North Canal

Customer: SE-DIST

Project ID: SMP

Requester: Jordan Skaggs

Field Report Prepared By: Jordan SkaggsCollected By: Jordan Skaggs, Drew LiddickSampling Agency: 21FLWPR

Location: North Canal @ US1

WIN ID/Field ID:



G5SE0043

Latitude

☐ dd Longitude
☐ dms

Location: North Canal @ US1

WIN ID/Field ID:



FB_09092020

Latitude

☐ dd Longitude
☐ dms

Location

Field ID

WIN/STORET #

Latitude

☐ dd Longitude
☐ dms

Location

Field ID

WIN/STORET #

Latitude

☐ dd Longitude
☐ dms

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>09/09/20</u> Time <u>12:00</u>	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>6.90</u>	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Temp (C) <u>30.5</u>	pH <u>7.46</u>	Sample Depth <u>0.2</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>973</u>
☐ dd ☐ dms	Salinity (ppt) <u>0.47</u>	Comments		
☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>09/09/20</u> Time <u>12:20</u>	Eastern Central	Composite end Date Time	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc) <u>D.I.</u>		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Temp (C)	pH	Sample Depth	☐ ft ☒ m	Sp. Conductance (umho/cm)
☐ dd ☐ dms	Salinity (ppt)	Comments		
☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)
☐ dd ☐ dms	Salinity (ppt)	Comments		
☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)
☐ dd ☐ dms	Salinity (ppt)	Comments		

1 MICRO + 1 CHL
 28 9/11/20

9/11/20 12:00 color
 2804
 MKL 9/11/20

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	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	1
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ECOLI-18QT						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
	W-CARB-AA						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-CT-CI-R						
	W-PCL-SQ-R						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-E8321-DI						
	W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-HARD						
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	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	1
	W-PO4-F						

Group: A	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-PSNP-TQ						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	CH2CICOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
	W-CARB-AA						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-CT-CI-R W-PCL-SQ-R						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-E8321-DI W-E8321-MS						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-HARD W-ICP W-ICPMS						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						
Group: B	Bottle Type:	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-PSNP-TQ						

Date of Request: 17-AUG-2020
 Created By: SKAGGS_J On: 17-AUG-2020
 Modified By: JASROTIA_P On: 18-AUG-2020
 Customer: SE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Southeast District
 Event Description: SMP- 3147 North Canal

Send Coolers To:

Phone: (772) 448-5884
 FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Jordan Skaggs
 Cooler Ship EMail: jordan.skaggs@FloridaDEP.gov

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 18-AUG-2020
 Biology Request Reviewed By: JASROTIA_P On: 18-AUG-2020
 Sampling Kit Required: YES Ship on: 21-AUG-2020
 Sampling Kit Shipped: YES On: 20-AUG-2020
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 02-SEP-2020
 Logged In By: MCCOY_I On: 11-SEP-2020

Send Final Report To:

FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Drew Liddick
 Report Notification EMail:
 drew.liddick@floridadep.gov;jordan.skaggs@floridadep.gov

Comments: Sampler Comments:
 Bottle Group A : 3147 - G5SE0043
 Bottle Group B: 3147 - FB

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: 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
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-250ML-WO-THI	Number of Bottles: 1	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
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: DEFAULT	(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

Bottle Group A (Water) With 1 Samples:

Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
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: HNO3
W-HARD	Template: DEFAULT	(SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3
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		
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		
Beryllium		
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 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 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-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: BG-500ML	Number of Bottles: 1	Preserved With: CH2ClCOOH Pre-Preserved
W-CARB-AA	Template: DEFAULT	(EPA 8321B) Carbamates in water matrices by HPLC/MS/MS
Bottle Type: BG-500ML	Number of Bottles: 2	Preserved With: ICE
W-CT-CI-R	Template: DEFAULT	(EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Template: DEFAULT	(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: HNO3
W-HARD	Template: DEFAULT	(SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-500ML		Number of Bottles: 1	Preserved With: HNO3
W-HARD	Template: DEFAULT	(SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3	
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			
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			
Beryllium			
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: 2	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.