

From: [Dugan, Maryann](#)
To: [Bowden, Magan](#); [Lurding, Kathleen](#)
Cc: [Musson, Curtis](#)
Subject: RE: WIN ID errors
Date: Tuesday, February 6, 2018 5:23:26 PM

Thanks, Magan; I appreciate it.

Curtis just brought to my attention that we had accidentally switched two letters in another station name that was sampled 01/31/2018.

The station name in LIMS was sampled as G3DS0096, and it should be G3SD0096

(Hog Bay @ CR 763

RQ-2018-01-29-53 ; SO-DIST-2018-02-01-01)

Sorry about the mix up. I will definitely run through our excel spreadsheet before our next sampling event and make sure there are no more errors.

Thank you,

Maryann Dugan
Environmental Specialist II
Division of Environmental Assessment & Restoration
Florida Department of Environmental Protection
2295 Victoria Avenue, Suite 364
Fort Myers, FL, 33901
239-344-5610 ext. 85610

From: Bowden, Magan
Sent: Tuesday, February 06, 2018 4:35 PM
To: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>
Cc: Dugan, Maryann <Maryann.Dugan@dep.state.fl.us>
Subject: RE: WIN ID errors

I'm working on this now. It seems to have fall through the cracks. Will let you know once I'm done.

Magan Bowden
Florida DEP Labs
Office: 850-245-8062
Direct: 58062
Magan.Bowden@dep.state.fl.us

From: Lurding, Kathleen
Sent: Tuesday, February 6, 2018 4:35 PM
To: Bowden, Magan <Magan.Bowden@dep.state.fl.us>
Cc: Dugan, Maryann <Maryann.Dugan@dep.state.fl.us>
Subject: FW: WIN ID errors

Magan – Did this request fall through the cracks? It doesn't appear to have been updated. The original email with amended submittal form is attached.

Thanks –

K

From: Dugan, Maryann
Sent: Tuesday, February 6, 2018 1:47 PM
To: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Bowden, Magan <Magan.Bowden@dep.state.fl.us>
Subject: FW: WIN ID errors

Hi; good afternoon :

I just spoke with Curtis regarding the station I e-mailed you about last week. He was wondering if there were any issues in updating the station name because it's still giving him an error when he runs a data pull.

Let me know if I can provide any additional information.

Thanks so much,

Maryann Dugan
Environmental Specialist II
Division of Environmental Assessment & Restoration
Florida Department of Environmental Protection
2295 Victoria Avenue, Suite 364
Fort Myers, FL, 33901
239-344-5610 ext. 85610

From: Lurding, Kathleen
Sent: Monday, January 29, 2018 3:56 PM
To: Dugan, Maryann <Maryann.Dugan@dep.state.fl.us>; Bowden, Magan <Magan.Bowden@dep.state.fl.us>
Cc: Watts, John <John.Watts@dep.state.fl.us>
Subject: RE: WIN ID errors

Maryann –

We can change that one.

John – here is another one for the list you're keeping.

Kathy

From: Dugan, Maryann
Sent: Monday, January 29, 2018 3:53 PM
To: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Bowden, Magan <Magan.Bowden@dep.state.fl.us>
Subject: WIN ID errors

Good afternoon,

It was brought to my attention that there are a couple of errors in recent WIN ID Station uploads vs. Submittal Forms.

Could you please edit the following in LIMS for us : RQ-2018-01-22-56

01/24/2018 at 1100, station G3SD0102 : Lake Hicpochee in Canal @ Riverside Dr was sampled (not G3SD00103).

Thank you so much,

Maryann Dugan
Environmental Specialist II
Division of Environmental Assessment & Restoration
Florida Department of Environmental Protection
2295 Victoria Avenue, Suite 364
Fort Myers, FL, 33901
239-344-5610 ext. 85610

From: Dugan, Maryann
Sent: Monday, January 29, 2018 3:23 PM
To: Musson, Curtis <Curtis.Musson@dep.state.fl.us>; Wolfe, Kirby <Kirby.Wolfe@dep.state.fl.us>
Cc: Warren, Kalina <Kalina.Warren@dep.state.fl.us>; Conley, Stephen (Chase) <Stephen.C.Conley@dep.state.fl.us>
Subject: RE: Submittal Error 1/24/18 - WIN ID, Station description.

Curtis,

You are absolutely correct that G3SD00103 is not a station; it should be G3SD0102—I made a mistake in my list of stations for label population, switched the two G3SD.#s, and added the extra 0. G3SD0103 is Hatchett Creek @ Pinebrook Rd. G3SD0102 is Lake Hicpochee in Canal @ Riverside Dr.

Sorry about any confusion; I will e-mail Kathy and Megan and update my spreadsheets. Thank you for letting me know.

Maryann Dugan
Environmental Specialist II
Division of Environmental Assessment & Restoration
Florida Department of Environmental Protection
2295 Victoria Avenue, Suite 364

Fort Myers, FL, 33901
239-344-5610 ext. 85610

From: Musson, Curtis

Sent: Monday, January 29, 2018 10:57 AM

To: Wolfe, Kirby <Kirby.Wolfe@dep.state.fl.us>; Dugan, Maryann <Maryann.Dugan@dep.state.fl.us>

Cc: Warren, Kalina <Kalina.Warren@dep.state.fl.us>; Conley, Stephen (Chase) <Stephen.C.Conley@dep.state.fl.us>

Subject: Submittal Error 1/24/18 - WIN ID, Station description.

Kirby, Maryann,

A sample was collected on 1/24/2018 at 11:00 and was submitted with an invalid WIN ID and possibly an incorrect location description.

Submitted:

WIN ID: G3SD00103

Location: Lake Hicpochee in Canal

Issue 1

G3SD00103 (9 characters) is not a WIN station, G3SD0103 (8 characters) is. There is an extra digit in the numeric portion of the WIN ID

Issue 2

The Monitoring Location Name for G3SD0103 in WIN is HATCHETT CREEK @ PINEBROOK RD. The WIN ID for LAKE HICPOCHEE IN CANAL @ RIVERSIDE DR is G3SD0102. Where was this sample collected, HATCHETT CREEK @ PINEBROOK RD, or LAKE HICPOCHEE IN CANAL @ RIVERSIDE DR?

Will you contact the LIMS administrators (Kathy Lurding, and Megan Bowden) and ask them to update the STORET (aka WIN ID) field and the location field (if applicable) in LIMS?

Will you update your label template before returning to this site?

Thank you,

Curtis Musson

Environmental Consultant

Division of Environmental Assessment and Restoration

Florida Department of Environmental Protection

2600 Blainstone Rd, MS#3560

Tallahassee, FL 32399

Curtis.musson@dep.state.fl.us

(850) 245-8453

Log-in Checklist

RQ- 2018.01.29.53

Shipping Method: FEDEX

Date/Time of Receipt: 2.1.18 0950

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
			Yes	No	Yes	No	
BLUE	-0.1°C	10		X			8121 9135 9161
RED	-0.3°C	9		X			8121 9135 9172
RED	0.3°C	11		X			8121 9135 9150
RED	0.7°C	14		X			8121 9135 9140

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

****Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

****Chain of Custody/ Field Sheet(s) Included?** Yes X No

CONTAINER CHECK

****Evidence Tape on Bottles?** Yes No X **If yes, is it intact?** Yes No

****Caps on tight?** Yes X No ****Containers intact?** Yes X No

****Sufficient Sample Volume:** Yes X No

CHLORINE CHECK (Blue dot on container)

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.					
Analysis	Yes	No	Analysis	Yes	No
W-1,4 DIOX			W-PC-AA-SF		
W-AHERB-AA (-AHB-AA-R)		X	W-PCL-SQ (-R)		X
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)		X	W-PESTNP-R		
W-ENDO-AA			W-PSCL-TQ		
W-GLYPH		X	W-PSNP-TQ		X
W-NP-AA-SF			W-PST-CL-R		
W-PAH (-R)			W-TR-TQ		
W-PCB-R			W-CT-CI-R		X

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

****Acid Preserved Samples:** pH ≤ 2.0? Yes X No NA Init: KMY

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

Coolers Unpacked/Checked by: KMY **Date:** 2.1.18 **NCRs (Y/N)?**

Event ID: SO-DIST-2018-02-01-01 **NCR #**

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	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

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_____ No_____

If 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: _____

Additional Comments:

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Peace River Streams

last revised Jan 3, 2018

Customer: SO-DIST

Requester: Maryann Dugan

Field Report Prepared By: Steve Catone

Project ID: SMP

Collected By: Steve Catone Gary Snork

Sampling Agency: 8052

Location	Field ID/WIN		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/31/18 Time 1245	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID	Location	G3SD0097	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 11.4	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B, E, D
WIN/STORE	Myrtle Slough @ SR 31		Temp (C) 17.6	pH 7.4	Sample Depth 0.3	Sp. Conductance (umho/cm) 669	
Latitude	22.00823	☒ dd ☐ dms	Longitude	-81.76049	☒ dd ☐ dms	Salinity (ppt)	Comments
Location	Field ID/WIN		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/31/18 Time 1340	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Location	G3SD0095	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 13.1	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B, E
WIN/STORE	Myrtle Slough @ Pinel Island		Temp (C) 15.1	pH 7.6	Sample Depth 0.3	Sp. Conductance (umho/cm) 610	
Latitude	27.08119	☒ dd ☐ dms	Longitude	-81.7623	☒ dd ☐ dms	Salinity (ppt)	Comments
Location	Field ID/WIN		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/31/18 Time 1430	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID	Location	G3SD0067	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 9.0	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A, E
WIN/STORE	Prairie Creek @ Wshngtn Lp		Temp (C) 17.7	pH 7.7	Sample Depth 0.3	Sp. Conductance (umho/cm) 680	
Latitude	26.99063	☒ dd ☐ dms	Longitude	-81.89462	☒ dd ☐ dms	Salinity (ppt)	Comments
Location	Field ID/WIN		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	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)	
WIN/STORE #			Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)	
Latitude		☐ dd ☐ dms	Longitude		☐ dd ☐ dms	Salinity (ppt)	Comments

Relinquished By: Gary Snork	Date/Time 1/31/18 1600	Shipping Method Fedex	Number of Coolers Shipped: 4	Received By: Tyler L	Date/Time 02/01/18 09:50
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Group: A	Bottle Type:	P-1L	# of Bottles: 3	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: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	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: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 3	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:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP					
	W-ICPMS					

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: SO-DIST

Requester: Maryann Dugan

Field Report Prepared By: Steve Cofone

Project ID: SMP

Collected By: Steve Cofone Gary Snarek

Sampling Agency: 8052

Location	Field ID/WIN			☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 1/31/18	Time 1105	Eastern	Composite end	Bottle Group(s)
Field ID	Location	G3SD0101							Central	Date	Time
WIN/STORE	BobcatCreek in Preserve				Matrix (type, e.g., Salt, Fresh, etc)	Fresh		Diss. Oxygen	☒ mg/L	Total Res. Chlorine	(mg/L)
Latitude	27.08967	☒ dd	Longitude	-82.00745	☒ dd	Salinity (ppt)		pH	6.9	Sample Depth	0.1
		☐ dms			☐ dms					ft	Sp. Conductance (umho/cm)
										m	344
Comments											
Location	Field ID/WIN			☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 1/31/18	Time 1217	Eastern	Composite end	Bottle Group(s)
Field ID	Location	G3SD0104							Central	Date	Time
WIN/STORE	RunoffPeace River Site3				Matrix (type, e.g., Salt, Fresh, etc)	Fresh		Diss. Oxygen	☒ mg/L	Total Res. Chlorine	(mg/L)
Latitude		☐ dd	Longitude		☐ dd	Salinity (ppt)		pH		Sample Depth	0.1
		☐ dms			☐ dms					ft	Sp. Conductance (umho/cm)
										m	646
Comments											
Location	Field ID/WIN			☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 1/31/18	Time 1217	Eastern	Composite end	Bottle Group(s)
Field ID	Location	G3SD0011							Central	Date	Time
WIN/STORE	HawthorneCrk@ReynoldsSt				Matrix (type, e.g., Salt, Fresh, etc)	Fresh		Diss. Oxygen	☒ mg/L	Total Res. Chlorine	(mg/L)
Latitude	27.15788	☒ dd	Longitude	-81.862	☒ dd	Salinity (ppt)		pH	5.8	Sample Depth	0.2
		☐ dms			☐ dms					ft	Sp. Conductance (umho/cm)
										m	646
Comments											
Location	Field ID/WIN			☐ Comp	Collection (comp begin or grab)	☒ Grab	Date 1/31/18	Time 1205	Eastern	Composite end	Bottle Group(s)
Field ID	Location	G3SD0096							Central	Date	Time
WIN/STORE	Hog Bay @ CR 763				Matrix (type, e.g., Salt, Fresh, etc)	Fresh		Diss. Oxygen	☒ mg/L	Total Res. Chlorine	(mg/L)
Latitude	27.10860	☒ dd	Longitude	-81.82742	☒ dd	Salinity (ppt)		pH	7.1	Sample Depth	0.3
		☐ dms			☐ dms					ft	Sp. Conductance (umho/cm)
										m	572
Comments											

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Gary Snarek	1/31/18 1600	65 Fedex	4	Tyler K	02/01/18 09:50
A modified m					

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W						
Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	3
	W-ICP						
	W-ICPMS						

Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: B	Bottle Type:	P-125ML	# of Bottles: 3	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	3
	W-PO4-F					
Group: C	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
	PCR-FILTER					
Group: C	Bottle Type:	BG-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
	W-AHERB-AA					
	W-SUC-AA-R					
	W-UHERB-AA					
Group: D	Bottle Type:	BG-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
	W-AHERB-AA					
	W-GLYPH					
	W-PYR-AA-R					
	W-SUC-AA-R					
	W-UHERB-AA					
Group: D	Bottle Type:	BG-1L	# of Bottles: 2	Preservative: CH2CICOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	2
	W-CARB-AA					
Group: D	Bottle Type:	BG-500ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
	W-CT-CI-R					
	W-PCL-SQ-R					
Group: D	Bottle Type:	BG-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
	W-PSNP-TQ					
Group: E	Bottle Type:	P-250ML-WI-THI	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab	8
	SD-SND-ECQ					

6 SENT TO SANDER

Date of Request: 11-JAN-2018
 Created By: DUGAN_M On: 11-JAN-2018
 Modified By: SWANSON_C On: 16-JAN-2018
 Customer: SO-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: South District
 Sampling Event: Peace River Streams

Send Coolers To:

Phone: 239-344-5610
 FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901
 Attn: Maryann Dugan

Send Final Report To:

FLDEP South District Office
 2295 Victoria Ave. Suite 364
 Fort Myers, FL 33901
 Attn: Maryann Dugan

Program Module Number:

Priority: 3

Event Status: S

Criminal Investigation: NO

Chemistry Request Reviewed By: WATTS_J On: 12-JAN-2018

Biology Request Reviewed By: SWANSON_C On: 16-JAN-2018

Sampling Kit Required: YES Ship on: 18-JAN-2018

Sampling Kit Shipped: YES On: 18-JAN-2018

Sampling Kit Packed By: GREENWOO_J

Preservatives Needed: NO

Date to Receive Samples: 29-JAN-2018

Received By:

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments: Group A: Freshwater Kit, No Metals x3
 Group B: Freshwater Kit With Metals x3
 Group C: Markers, Tracers x1
 Group D: Pesticides x2
 Group D: E.Coli x7

Bottle Group A (Water) With 3 Samples:

Bottle Type: P-1L	Number of Bottles: 3	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
Bottle Type: BP-1L	Number of Bottles: 3	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: 3	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: 3	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 3 Samples:

Bottle Type: P-1L	Number of Bottles: 3	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L

Bottle Group B (Water) With 3 Samples:

Bottle Type: P-1L	Number of Bottles: 3	Preserved With: ICE
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
Bottle Type: BP-1L	Number of Bottles: 3	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: 3	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		
Chromium		
Iron		
Magnesium		
Nickel		
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
Arsenic		
Cadmium		
Copper		
Lead		
Silver		
Bottle Type: P-500ML	Number of Bottles: 3	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: 3	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 C (Water) With 1 Samples:

Bottle Type: QPCR-P-250ML	Number of Bottles: 2	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
Bottle Type: BG-1L	Number of Bottles: 1	Preserved With: ICE
W-AHERB-AA	Template: DEFAULT	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
W-SUC-AA-R	Template: DEFAULT	(EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS
W-UHERB-AA	Template: DEFAULT	(USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group D (Water) With 2 Samples:

Bottle Type: BG-1L	Number of Bottles: 4	Preserved With: ICE
W-AHERB-AA	Template:	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
W-GLYPH	Template: DEFAULT	(EPA 8321B) Glyphosate in water matrices by HPLC/MS/MS
W-PYR-AA-R	Template: DEFAULT	(EPA 8321B) Pyraclostrobin in water matrices by HPLC/MS/MS
W-SUC-AA-R	Template: DEFAULT	(EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS
W-UHERB-AA	Template: DEFAULT	(USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: BG-1L	Number of Bottles: 2	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: 6	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 8270D) Organochlorine pesticides in water matrices by GC/MS-SIM
Bottle Type: BG-1L	Number of Bottles: 6	Preserved With: ICE

Bottle Group D (Water) With 2 Samples:

Bottle Type: BG-1L Number of Bottles: 6 Preserved With: ICE
W-PSNP-TQ Template: DEFAULT (EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by
GC/MS/MS

Bottle Group E (Water) With 7 Samples:

Bottle Type: Number of Bottles: 7 Preserved With: ICE
SD-SND-ECQ Template: DEFAULT (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by Sanders Laboratories
for South District

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