

Login Checklist

RQ- 2022-07-25-18

Login Station ID: #5

Shipping Method: FedEx | UPS | ☒ Greyhound

Date/Time of Receipt: 08/11/22 1:34

*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	
7.1 -1.4				16 +4 11		✓ ✓			

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# _____

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: GG

Chlorine detected? (One container checked per Field ID)

Yes _____ No ☒ Init: GG

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: GG

**W-1-4-DIOX (Green dot on container) preserved to pH<4.0?

Yes _____ No _____ NA ☒ Init: GG

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

Coolers Unpacked/Checked by: GG/HR

Date: 08/11/22

Event contains NCRs (Y/N)? N

Event ID: TLH-ROC-2022-08-11-01

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IR TEMP GUN #5 Exp: 10/19/22
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	210620 Exp: 4/15/23
Chlorine Test Strips	0070, 02/23

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: 8/11/2022
Customer: TLH-DIST
RQ: RQ-2022-07-25-18
Collected By: Trey Fitzgerald, Mike Eckles
Sampling Agency: FDEP
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: HandDelivered

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

Site Location	Field ID/WIN ID
Mosquito Creek @ Jinks Crossing Rd	 G2TLHR0092
FB	 FB_08112022
Tributary South Mosquito Creek	 G2TLHR0008
South Mosquito Creek @ Power Line	 G2TLHR0039
Lake Kinsale	 G1TLHR0148

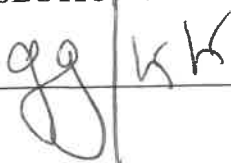
RELINQUISHED BY(SIGNATURE):



DATE/TIME: 8/11/2022
1345 EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:



Rec'd/Inspected

Date:

08/11/22



RQ-2022-07-25-18	Collected By: Trey Fitzgerald, Mike Eckles
Customer: FDEP	Field Report Prepared by: Trey Fitzgerald, Mike Eckles
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G2TLHR0092	Comments:

Location:

Location: Mosquito Creek @ Jinks Crossing Rd

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT)
8/11/2022 1010	7.08	86.8	25.7	6.59	0.3	1.1	1.61	63.2	0.03

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 #	1286110	Exp:	3/7/23							
Metals (P-500ML)	X	W-ICPMS			X	Ice	X	HNO3*	X	<2	1	A
		Lot #	1105100	Exp:	6/7/23							
Filtered Nutrients (P125ML)		W-PO4-F				Field Filtered 0.45 µm Filter						
		Filter Lot #				Syringe Lot #						
BOD (BP-1L)		OV-BODUNIN				Ice						
Chlorophyll (BP-1L)	X	CHLSUITE-W			X	Ice						
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS			X	Ice						
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY				Ice						
Macroinvertebrates (PJ-2L)		MI-FW-QLDC	Formalin Lot #			Formalin						
Periphyton (PT-50ML)		ALGAE-ID				Ice						
Microbiology (Contract Lab Bottle)	X	E Coli	F Coli	Enterococci	X	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)	X	W-E8321-DI	X	W-E8321-MS	X	W-PSNP-TQ	X	Ice	MCAA Exp.	MCAA Lot#	6	A
	X	W-PCL-TQ-R	X	W-CAR8-AA (5 ml of MCAA Buffer Solution)	X	W-CT-CL-R						
	X	W-TR-SQ-R	X	W-PCB-TQ-R								
Phytoplankton		DTY-QN-C		PKD-QN-BV			Ice					



RQ-2022-07-25-18	Collected By: Trey Fitzgerald, Mike Eckles
Customer: FDEP	Field Report Prepared by: Trey Fitzgerald, Mike Eckles
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: FB_08112022	Comments:

Location:
Location: FB

Matrix: W-FIELD-BLANK

(Check One)

☒ Grab☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT)						
8/11/2022 1025															
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	C			
		Lot #	1286110	Exp:	3/7/23										
Metals (P-500ML)	X	W-ICPMS		X	W-ICP	X	W-HARD	X	Ice	X	HNO3*	X	<2	1	C
		Lot #	1105100	Exp:	6-7-23										
Filtered Nutrients (P125ML)		W-PO4-F		Field Filtered 0.45 µm Filter			Ice								
		Filter Lot #		Syringe Lot #											
BOD (BP-1L)		OV-BODUNIN					Ice								
Chlorophyll (BP-1L)		CHLSUITE-W					Ice								
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS				X	Ice				1	C			
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY					Ice								
Macroinvertebrates (PJ-2L)		MI-FW-QLDC	Formalin Lot #				Formalin								
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)	X	W-E8321-DI	X	W-E8321-MS		W-PSNP-TQ		MCAA Exp.	MCAA Lot#		2	C			
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA Buffer Solution)	X	W-CT-CL-R	X	Ice	2/4/23						
		W-TR-SQ-R		W-PCB-TQ-R											
Phytoplankton		DTY-QN-C		PKD-QN-BV			Ice								



RQ-2022-07-25-18	Collected By: Trey Fitzgerald, Mike Eckles
Customer: FDEP	Field Report Prepared by: Trey Fitzgerald, Mike Eckles
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G2TLHR0008	Comments:

Location:
Location: Tributary South Mosquito Creek

Matrix: Fresh (Check One) ☒ Grab ☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT _h)						
8/11/2022 1115	8.59	101.1	23.5	7.77	0.3	0.6	0.6	144.7	0.07						
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	B		
		Lot #		1286110		Exp:		3/7/23							
Metals (P-500ML)	X	W-ICPMS		X	W-ICP	X	W-HARD	X	Ice	X	HNO3*	X	<2	1	B
		Lot #		1105100		Exp:		06/7/23							
Filtered Nutrients (P125ML)		W-PO4-F		Field Filtered 0.45 µm Filter			Ice								
		Filter Lot #		Syringe Lot #											
BOD (BP-1L)		OV-BODUNIN				Ice									
Chlorophyll (BP-1L)	X	CHLSUITE-W				X	Ice								
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W- TDS				X	Ice								
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY				Ice									
Macroinvertebrates (PJ-2L)		MI-FW-QLDC	Formalin Lot #		Formalin										
Periphyton (PT-50ML)		ALGAE-ID				Ice									
Microbiology (Contract Lab Bottle)	X	E Coli		F Coli		Enterococci		X						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	MCAA Exp.	MCAA Lot#						
		W-PCL-TQ-R	W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R										
		W-TR-SQ-R		W-PCB-TQ-R											
Phytoplankton		DTY-QN-C		PKD-QN-BV		Ice									



RQ-2022-07-25-18	Collected By: Trey Fitzgerald, Mike Eckles
Customer: FDEP	Field Report Prepared by: Trey Fitzgerald, Mike Eckles
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G2TLHR0039	Comments:

Location:

Location: South Mosquito Creek @ Power Line

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTH)
8/11/2022 1100	8.13	96.4	23.9	7.01	0.207	0.414	0.414	54.1	0.02

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	B			
		Lot #		1286110	Exp:	3/7/23									
Metals (P-500ML)	X	W-ICPMS		X	W-ICP	X	W-HARD	X	Ice	X	HNO3*	X	<2	1	B
		Lot #		1105100	Exp:	6-7-23									
Filtered Nutrients (P125ML)		W-PO4-F		Field Filtered 0.45 µm Filter				Ice							
		Filter Lot #		Syringe Lot #											
BOD (BP-1L)		OV-BODUNIN					Ice								
Chlorophyll (BP-1L)	X	CHLSUITE-W				X	Ice				1	B			
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	B			
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY					Ice								
Macroinvertebrates (PJ-2L)		MI-FW-QLDC	Formalin Lot #				Formalin								
Periphyton (PT-50ML)		ALGAE-ID					Ice								
Microbiology (Contract Lab Bottle)	X	E Coli		F Coli		Enterococci	X	Ice			1	B			
		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	MCAA Exp.	MCAA Lot#					
		W-PCL-TQ-R	W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R										
		W-TR-SQ-R	W-PCB-TQ-R												
Phytoplankton		DTY-QN-C		PKD-QN-BV				Ice							



RQ-2022-07-25-18	Collected By: Trey Fitzgerald, Mike Eckles
Customer: FDEP	Field Report Prepared by: Trey Fitzgerald, Mike Eckles
Project ID: SMP	Sampling Agency: FDEP
WIN ID/Field ID:  WIN ID/Field ID: G1TLHR0148	Comments:

Location:
Location: Lake Kinsale

Matrix: Fresh (Check One) ☒ Grab ☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTH			
8/11/2022 1235	6.55	84.8	28.8	7.14	0.3	0.852	0.852	58.8	0.03			
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			
		Lot #		Exp:								
Metals (P-500ML)		W-ICPMS		W-ICP		W-HARD		HNO3*	<2			
		Lot #		Exp:								
Filtered Nutrients (P125ML)		W-PO4-F		Field Filtered 0.45 um Filter		Ice						
		Filter Lot #		Syringe Lot #								
BOD (BP-1L)		OV-BODUNIN				Ice						
Chlorophyll (BP-1L)		CHLSUITE-W				Ice						
Physical/Aggregate (Fresh) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4IC / W- TDS				Ice						
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY				Ice						
Macroinvertebrates (PJ-2L)		MI-FW-QLDC	Formalin Lot #		Formalin							
Periphyton (PT-50ML)		ALGAE-ID				Ice						
Microbiology (Contract Lab Bottle)		X	E Coli		F Coli		Enterococci		x	Ice	1	B
		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	MCAA Exp.	MCAA Lot#	
		W-PCL-TQ-R		W-CARB-AA (5 ml of MCAA Buffer Solution)		W-CT-CL-R						
		W-TR-SQ-R		W-PCB-TQ-R								
Phytoplankton		DTY-QN-C		PKD-QN-BV		Ice						

Date of Request: 28-JUN-2022
 Created By: ECKLES_M On: 28-JUN-2022
 Modified By: JASROTIA_P On: 07-JUL-2022
 Customer: TLH-ROC
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Not Applicable
 Event Description: Run 17

Send Coolers To:

Phone: 850-245-7586
 2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Michael Eckles
 Cooler Ship EMail: Michael.eckles@floridadep.gov

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 06-JUL-2022
 Biology Request Reviewed By: JASROTIA_P On: 07-JUL-2022
 Sampling Kit Required: YES Ship on: 25-JUL-2022
 Sampling Kit Shipped: YES On: 25-JUL-2022
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: YES
 Date to Receive Samples: 25-JUL-2022
 Logged In By:

Send Final Report To:

2600 Blair Stone Rd

 Tallahassee, FL 32399
 Attn: Michael Eckles
 Report Notification EMail:
 michael.eckles@FloridaDEP.gov; terry.green@floridadep.gov

Comments: Group A: WBID 376C (0092)-
 Group B WBID 390, 393, 487, 504 (0010 & 0056)
 Group C: WBID Blank-

No FedEx Labels

#####

Buffer Solution for W-CARB-AA Bottle Needed

#####

W-TR-SQ-R (sunscreens)

Wash your hands thoroughly and wear gloves. Refrain from using sunscreens on the day of sample collection.

#####

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	(DEP SOP: NU-094-1) 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 Group A (Water) With 1 Samples:

Bottle Type: P-250ML-WO-THI ECOLI-18QT	Number of Bottles: 1 Template: DEFAULT	Preserved With: ICE (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
Bottle Type: BG-500ML W-CARB-AA	Number of Bottles: 1 Template: DEFAULT	Preserved With: CH ₂ ClCOOH and Ice (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS
Bottle Type: BG-500ML FILL TO W-CT-CI-R	Number of Bottles: 4 Template: DEFAULT	Preserved With: ICE (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCB-TQ-R	Template: DEFAULT	(EPA 8270E) PCBs in water matrices by GC/MS/MS
W-PCL-TQ-R	Template:	(EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS
Bottle Type: BG-500ML W-E8321-DI	Number of Bottles: 1 Template: DEFAULT	Preserved With: ICE (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template: SMP	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: P-500ML W-HARD	Number of Bottles: 1 Template: DEFAULT	Preserved With: HNO ₃ (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO ₃
Hardness		
W-ICP	Template: SMP-FRESH	(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		
Strontium		
Tin		
Titanium		
Vanadium		
Zinc		
W-ICPMS	Template: DEFAULT	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Aluminum		
Antimony		
Arsenic		
Barium		
Beryllium		
Boron		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Manganese		
Molybdenum		
Nickel		
Selenium		
Silver		
Thallium		

Bottle Type: P-500ML W-NH ₃	Number of Bottles: 1 Template: DEFAULT	Preserved With: ICE And H ₂ SO ₄ (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: BG-1L W-PSNP-TQ	Number of Bottles: 4 Template: DEFAULT	Preserved With: ICE (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS
W-TR-SQ-R	Template:	(EPA 8270E) Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM

Bottle Group B (Water) With 5 Samples:

Bottle Type: P-1L ALKALINITY	Number of Bottles: 5 Template: DEFAULT	Preserved With: ICE (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

Bottle Group B (Water) With 5 Samples:

Bottle Type: P-1L	Number of Bottles: 5	Preserved With: ICE
W-COLOR	Template: DEFAULT	(DEP SOP: NU-094-1) 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: 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-250ML-WO-THI	Number of Bottles: 5	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
Bottle Type: P-500ML	Number of Bottles: 5	Preserved With: HNO3
W-HARD	Template: DEFAULT	(SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3
Hardness		
W-ICP	Template: SMP-FRESH	(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		
Strontium		
Tin		
Titanium		
Vanadium		
Zinc		
W-ICPMS	Template: DEFAULT	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Aluminum		
Antimony		
Arsenic		
Barium		
Beryllium		
Boron		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Manganese		
Molybdenum		
Nickel		
Selenium		
Silver		
Thallium		

Bottle Type: P-500ML	Number of Bottles: 5	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: 5	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: 12	Preserved With: ICE
W-PSNP-TQ	Template: DEFAULT	(EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
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Bottle Group C (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	(DEP SOP: NU-094-1) 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-500ML		Number of Bottles: 1	Preserved With: CH ₂ ClCOOH and Ice
W-CARB-AA	Template: DEFAULT	(EPA 8321B) Carbamates in water matrices by HPLC/MS/MS	
Bottle Type: BG-500ML FILL TO		Number of Bottles: 2	Preserved With: ICE
W-CT-Cl-R	Template: DEFAULT	(EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	
W-PCB-TQ-R	Template: DEFAULT	(EPA 8270E) PCBs in water matrices by GC/MS/MS	
W-PCL-TQ-R	Template:	(EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	
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: SMP	(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 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO ₃	
Hardness			
W-ICP	Template: SMP-FRESH	(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			
Strontium			
Tin			
Titanium			
Vanadium			
Zinc			
W-ICPMS	Template: DEFAULT	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Boron			
Cadmium			
Chromium			
Cobalt			
Copper			
Lead			
Manganese			
Molybdenum			
Nickel			
Selenium			
Silver			
Thallium			
Bottle Type: P-500ML		Number of Bottles: 1	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	

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4
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
W-TR-SQ-R	Template:	(EPA 8270E) Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM

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

