

## Klug, Kyle

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**From:** Bearden, Matthew  
**Sent:** Wednesday, January 11, 2023 14:47  
**To:** Klug, Kyle; Boman, Leif  
**Cc:** Schwartz, Victoria; Riordan, Terry  
**Subject:** RE: RQ-2023-01-02-58

Thanks Kyle and Leif!

Matthew Bearden  
Cen ROC

**From:** Klug, Kyle <Kyle.Klug@FloridaDEP.gov>  
**Sent:** Wednesday, January 11, 2023 1:40 PM  
**To:** Boman, Leif <Leif.Boman@FloridaDEP.gov>  
**Cc:** Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>; Schwartz, Victoria <Victoria.Schwartz@FloridaDEP.gov>; Riordan, Terry <Terry.Riordan@FloridaDEP.gov>  
**Subject:** RE: RQ-2023-01-02-58

Leif,

The W-CT-CI-R test will be on the 500ml containers, and there is plenty of volume to add it. I will go ahead and add the test to those samples.

Thank you,  
Kyle

**From:** Boman, Leif <Leif.Boman@FloridaDEP.gov>  
**Sent:** Wednesday, January 11, 2023 12:28  
**To:** Klug, Kyle <Kyle.Klug@FloridaDEP.gov>  
**Cc:** Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>; Schwartz, Victoria <Victoria.Schwartz@FloridaDEP.gov>; Riordan, Terry <Terry.Riordan@FloridaDEP.gov>  
**Subject:** RE: RQ-2023-01-02-58

Kyle,  
The brown glass bottles should have been as listed here. Didn't realize the W-CT-CI-R analytes weren't added so I'm updating my template now.

The bottles we sent should have been labeled as listed below  
1L Brown Glass Bottle (Qty - 4) W-PSNP-TQ and W-TR-SQ-R  
500ML Brown Glass Bottle (Qty - 4) W-PCB-TQ-R and Q-PCL-TQ-R and W-CT-CI-R\*

\*I'm not too sure where W-CT-CI-R should have gone nor do I know if the volume of water we shipped you in our brown glass bottles would have been sufficient to include all of those analytes. Really sorry about this mix up.

Curtis, just cc'ing you if you wanted to give any input as to what might be priority.

Leif

**From:** Boman, Leif  
**Sent:** Wednesday, January 11, 2023 12:06 PM  
**To:** Klug, Kyle <Kyle.Klug@floridadep.gov>  
**Cc:** Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>; Schwartz, Victoria <Victoria.Schwartz@FloridaDEP.gov>; Riordan, Terry <Terry.Riordan@FloridaDEP.gov>  
**Subject:** RE: RQ-2023-01-02-58

Hi Kyle,  
Yes, let me try and clear this up. The metals bottle can just get tossed. I will figure out the organics sample in a second. My computer is lagging terribly at the moment.

Leif

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**From:** Klug, Kyle <Kyle.Klug@FloridaDEP.gov>  
**Sent:** Wednesday, January 11, 2023 11:57 AM  
**To:** Riordan, Terry <Terry.Riordan@FloridaDEP.gov>  
**Cc:** Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>; Schwartz, Victoria <Victoria.Schwartz@FloridaDEP.gov>; Boman, Leif <Leif.Boman@FloridaDEP.gov>  
**Subject:** RE: RQ-2023-01-02-58  
**Importance:** High

Terry,

A metals sample was submitted for site G4CE0206, however it was not scheduled. I will need to know what tests and components you are requesting.

I also had a question about the organics samples. W-PCB-TQ-R & W-PCL-TQ-R are the scheduled tests, however the label on the bottle says W-CT-CI-R & W-PCB-TQ-R. Will you please confirm the correct tests?

Thank you,  
Kyle

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**From:** Riordan, Terry <Terry.Riordan@FloridaDEP.gov>  
**Sent:** Tuesday, January 10, 2023 17:30  
**To:** Lab.Receiving <Lab.Receiving@floridadep.gov>; Whiting, David D. <David.D.Whiting@dep.state.fl.us>; Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>; Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>; Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>  
**Cc:** Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>; Warren, Kalina <Kalina.Warren@dep.state.fl.us>; Schwartz, Victoria <Victoria.Schwartz@FloridaDEP.gov>; Boman, Leif <Leif.Boman@FloridaDEP.gov>  
**Subject:** FW: RQ-2023-01-02-58 and 2022-12-19-32(HAB)

RQ's Shipped today from CEROC via FedEx  
RQ-2023-01-02-58  
RQ-2022-12-19-32

# Coolers: 2

Samplers: Terry Riordan and Jessie Atchison

# Login Checklist

RQ- 2023-01-02-68

Login Station ID: 5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 1/11/23 @ 9:30

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |          |          |    | Waybill Tracking #  |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|----------|----------|----|---------------------|
|                     |                 |                                        |          |                                       | Present?      |          | *Intact? |    |                     |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No       | Yes      | No |                     |
| <u>6.3</u>          |                 |                                        |          | <u>1</u>                              |               | <u>X</u> |          |    | <u>585147318192</u> |
|                     |                 |                                        |          |                                       |               |          |          |    |                     |
|                     |                 |                                        |          |                                       |               |          |          |    |                     |
|                     |                 |                                        |          |                                       |               |          |          |    |                     |
|                     |                 |                                        |          |                                       |               |          |          |    |                     |

## 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 X No \_\_\_\_\_

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes \_\_\_\_\_ No X

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA X Evidence Tape intact? Yes \_\_\_\_\_ No \_\_\_\_\_

If Criminal, photographs taken?

Yes \_\_\_\_\_ No X

Containers intact? Yes X No \_\_\_\_\_

Caps on tight?

Yes X No \_\_\_\_\_

Sufficient Sample Volume:

Yes X 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 X Init: C-P

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 X Init: C-P

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

Yes \_\_\_\_\_ No \_\_\_\_\_ NA X Init: C-P

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

Coolers Unpacked/Checked by: C-P

Date: 1/11/23

Event contains NCRs (Y/N)? N

Event ID:

CEN-DIST-2023-01-11-02 (SMP)  
Date Received: 11-JAN-2023 09:30

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                    |
|--------------------------|--------------------|
| Infrared Thermometer ID: | 221426058 10/17/23 |
| pH Test Strips 0 – 6     | 223819AV 08/30/23  |
| pH Paper 0 – 3           | NA                 |
| pH Paper 0 – 13          | 210620 4/15/2023   |
| Chlorine Test Strips     | 0070 02/2023       |

### 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# \_\_\_\_\_

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 1/10/2023      **Collected By:** Terry Riordan, Jessie Atchison  
**Customer:** CEN-DIST      **Sampling Agency:** FDEP  
**RQ:** RQ-2023-01-02-58      **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:** FedEx

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

| Site Location          | Field ID/WIN ID                                                                                |
|------------------------|------------------------------------------------------------------------------------------------|
| Tiger Lake near Center | <br>G4CE0206 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 1/10/2023  
1600 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By: 

Rec'd/Inspected  
Date: 1-11-23

WIN ID/Field ID: G4CE0206

Matrix: Fresh

(Check One)    ☒ **Grab**            ☐ **Composite**

| Date and Time<br>{EST}             | DO<br>(mg/L)                     | DO<br>(%SAT)                                                                 | Temp. °C       | pH                                          | Sample<br>Depth (m) | Secchi<br>Depth | Total<br>Depth<br>(m) | Sp COND<br>(µmhos /cm)   | Salinity<br>(PPT) |              |    |   |   |
|------------------------------------|----------------------------------|------------------------------------------------------------------------------|----------------|---------------------------------------------|---------------------|-----------------|-----------------------|--------------------------|-------------------|--------------|----|---|---|
| 1/10/2023<br>1300                  | 11.37                            | 125                                                                          | 20             | 8.54                                        | 0.3                 | 0.5             | 2.5                   | 104.1                    | 0.05              |              |    |   |   |
| Parameter Suite                    | Parameter Methods                |                                                                              |                |                                             |                     | Preservation    | pH Check              | # Bottles<br>sent to Lab | Bottle<br>Group   |              |    |   |   |
| Preserved Nutrients (P-500ML)      | X                                | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |                |                                             |                     | X               | Ice                   | X                        | H2SO4*            | <2           | 1  | A |   |
|                                    | Lot #                            |                                                                              | SA2229010      |                                             | Exp:                | 08/30/2023      |                       |                          |                   |              |    |   |   |
| Metals (P-500ML)                   | X                                | W-ICPMS                                                                      | X              | W-ICP                                       | X                   | W-HARD          | X                     | Ice                      | X                 | HNO3*        | <2 | 1 | A |
|                                    | Lot #                            |                                                                              | NA1105100      |                                             | Exp:                | 06/07/2023      |                       |                          |                   |              |    |   |   |
| Filtered Nutrients (P125ML)        | X                                | W-PO4-F                                                                      | X              | Field Filtered 0.45 um Filter               |                     | X               | Ice                   |                          | 1                 | A            |    |   |   |
|                                    | Filter Lot #                     | 17413308                                                                     | Syringe Lot #  | 2090604                                     |                     |                 |                       |                          |                   |              |    |   |   |
| BOD (BP-1L)                        |                                  | OV-BODUNIN                                                                   |                |                                             |                     |                 | Ice                   |                          |                   |              |    |   |   |
| Chlorophyll (BP-1L)                | X                                | CHLSUITE-W                                                                   |                |                                             |                     | X               | Ice                   |                          |                   |              | 1  | A |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                                | Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W- TD5 |                |                                             |                     | X               | Ice                   |                          |                   |              | 1  | A |   |
| 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                                  | X                   | W-PSNP-TQ       | X                     | Ice                      | MCAA<br>Exp.      | MCAA<br>Lot# | 10 | A |   |
|                                    |                                  | W-PCL-TQ-R                                                                   | X              | W-CARB-AA (5 ml of<br>MCAA Buffer Solution) | X                   | W-CT-CL-R       |                       |                          | 02/04/2023        | 128343       |    |   |   |
|                                    | X                                | W-TR-SQ-R                                                                    | X              | W-PCB-TQ-R                                  |                     |                 |                       |                          |                   |              |    |   |   |
| Phytoplankton                      | X                                | DTY-QN-C                                                                     | X              | PKD-QN-BV                                   |                     | X               | Ice                   |                          |                   | 1            | D  |   |   |
| DOC                                |                                  | W-DOC                                                                        |                | Field Filtered 0.45 um Filter               |                     |                 | Ice                   |                          | H2SO<br>4*        | <2           |    |   |   |
|                                    | Add Preservative Expiration Date |                                                                              |                |                                             |                     |                 |                       |                          |                   |              |    |   |   |
|                                    | Add Preservative Lot Number      |                                                                              |                |                                             |                     |                 |                       |                          |                   |              |    |   |   |

Date of Request: 29-DEC-2022  
 Created By: BOMAN\_L On: 29-DEC-2022  
 Modified By: JASROTIA\_P On: 03-JAN-2023  
 Customer: CEN-DIST  
 Project: SMP  
 Division:  
 District: Central District  
 Event Description: Tiger/Henry/Smart

**Send Coolers To:**

Phone: 407-897-4181  
 FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Leif Boman  
 Cooler Ship EMail: Leif.Boman@FloridaDEP.gov

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 03-JAN-2023  
 Biology Request Reviewed By: JASROTIA\_P On: 03-JAN-2023  
 Sampling Kit Required: NO Ship on:  
 Sampling Kit Shipped:  
 Sampling Kit Packed By:  
 Preservatives Needed: NO  
 Date to Receive Samples: 02-JAN-2023  
 Logged In By: KREUCH\_B On: 05-JAN-2023

**Send Final Report To:**

3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Jessie Atchison  
 Report Notification EMail: Jessie.Atchison@FloridaDEP.gov

Comments: Please log in PKD-QN-BV & DTY-QN-C under a separate event with priority 12, Bottle Group - D

Bottle Group A: Tiger  
 Bottle Group B: Henry  
 Bottle Group C: Smart  
 Bottle Group D: Tiger Phyto

**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 <sub>3</sub> /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 <sub>4</sub> -IC             | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |
| W-TDS                             | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                                  |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-2015) 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: BG-500ML             | Number of Bottles: 1 | Preserved With: CH <sub>2</sub> ClCOOH and Ice                                                               |
| W-CARB-AA                         | Template: DEFAULT    | (EPA 8321B) Carbamates in water matrices by HPLC/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: ICE And H <sub>2</sub> SO <sub>4</sub>                                                       |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO <sub>2</sub> NO <sub>3</sub> | 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 A (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: BG-500ML FILL TO | Number of Bottles: 4 | Preserved With: ICE                                                                          |
| W-PCB-TQ-R                    | Template: DEFAULT    | (EPA 8270E) PCBs in water matrices by GC/MS/MS                                               |
| W-PCL-TQ-R                    | Template: DEFAULT    | (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS |
| 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: 4 | 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: DEFAULT    | (EPA 8270E) Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM       |

**Bottle Group B (Water) With 1 Samples:**

|                             |                      |                                                                                                                                               |
|-----------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 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 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                    |
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| PCR-BACR                    | Template: DEFAULT    | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction |
| PCR-DG3                     | Template: DEFAULT    | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction      |
| PCR-HF183                   | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction     |
| 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: 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-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    | (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-2015) Total Dissolved Solids in aqueous matrices                                                                                   |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                               |

**Bottle Group C (Water) With 1 Samples:**

|                       |                      |                                                                                         |
|-----------------------|----------------------|-----------------------------------------------------------------------------------------|
| 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 Group D (Water) With 1 Samples:**

|                    |                      |                                                                                               |
|--------------------|----------------------|-----------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 1 | Preserved With: Lugols                                                                        |
| DTY-QN-C           | Template: DEFAULT    | (SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample.                         |
| PKD-QN-BV          | Template: DEFAULT    | (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample w/speciation and cell counts. |

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