

# Log-in Checklist

RQ- 2019-08-12-32

Login Station ID: #5

Shipping Method: FedEx | UPS | HD Greyhound

Date/Time of Receipt: 8/19/19 @ 15:22

| Cooler Temperature* | Samples Frozen | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking #<br>Damaged waybills only |
|---------------------|----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|-------------------------------------|
|                     |                |                                        |          |                                       | Present?      |    | *Intact? |    |                                     |
|                     | YES            | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                                     |
| 2.1                 |                |                                        |          | 18                                    |               | ✓  |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |

\* HNO<sub>3</sub> and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation. An NCR still is required.**

\*\*Chain of Custody/ Field Sheet(s) Included? Yes ☒ No ☐

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ☐ No ☒

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

## CONTAINER CHECK

\*\*Evidence Tape on Bottles? Yes ☐ No ☒ If yes, is it intact? Yes ☐ No ☐  
 \*\*Caps on tight? Yes ☒ No ☐ \*\*Containers intact? Yes ☒ No ☐  
 \*\*Sufficient Sample Volume: Yes ☒ No ☐

## CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes ☒ No ☐ Init: KK  
 Chlorine detected? (One container checked per Field ID) Yes ☐ No ☒ Init: KK

If "YES", list affected Field IDs and Test IDs below.

| Field ID | List TestID(s) where Chlorine was Detected, an NCR is required. |
|----------|-----------------------------------------------------------------|
|          |                                                                 |
|          |                                                                 |
|          |                                                                 |
|          |                                                                 |

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

\*\*Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: KK  
 \*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☒ NA ☐ Init: KK

Coolers Unpacked/Checked by: KK Date: 8/19/19 NCRs (Y/N)? N

Event ID: Run 1  
TLH-ROC-2019-08-19-01 (SMP)  
 Date Received: 19-AUG-2019 15:22 NCR #

## Log-in Checklist

### Samples with Incorrect pH Preservation

| Field ID | Bottle Test ID(s) | pH | 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 |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |

### Additional Comments:

|                            |                          |
|----------------------------|--------------------------|
| Infrared Thermometer ID:   | REC_07_2018 EXP:12/28/19 |
| pH Test Strips 0 – 6 Lot # |                          |
| pH Paper 0 – 3 Lot #       | 220416A EXP:7/30/20      |
| pH Paper 0 – 13 Lot #      | 222516 EXP:9/15/19       |
| Chlorine Test Strips Lot # | 091417V EXP:9/2021       |

### 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 \_\_\_\_\_ If No \_\_\_\_\_

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: \_\_\_\_\_

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Run 1

last revised Jan 25, 2018

Customer: TLH-ROC

Requester: Michael Eckles

Field Report Prepared By: Woods/Harden

Project ID: SMP

Collected By: Woods/Harden

Sampling Agency: 8054

|                              |                                                             |                                                                           |                                                             |                                                                            |                                                                 |                               |  |
|------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------|--|
| Field/WIN ID →<br>Location ↓ | <br>G1TLHR0029<br>LITTLE AUCILLA RIVER                      | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 08/19/19 Time 1020  | Eastern<br>Central                                                         | Composite end<br>Date Time                                      | Bottle Group(s)<br>(See pg 2) |  |
| Latitude                     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            | Diss. Oxygen<br>3.22                                        | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) —                                 | A                             |  |
|                              |                                                             | Temp (C) 24.4                                                             | pH 3.79                                                     | Sample Depth 0.3                                                           | Sp. Conductance (umho/cm) 52.9                                  |                               |  |
|                              |                                                             | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) 0.02                                         | Comments                                                                   |                                                                 |                               |  |
| Field/WIN ID →<br>Location ↓ | <br>G1TLHR0099<br>LITTLE AUCILLA RVR @ US221                | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 08/19/19 Time 1045  | Eastern<br>Central                                                         | Composite end<br>Date Time                                      | Bottle Group(s)               |  |
| Latitude                     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            | Diss. Oxygen<br>2.03                                        | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) —                                 | A                             |  |
|                              |                                                             | Temp (C) 24.2                                                             | pH 3.61                                                     | Sample Depth 0.3                                                           | Sp. Conductance (umho/cm) 40.5                                  |                               |  |
|                              |                                                             | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) 0.02                                         | Comments                                                                   |                                                                 |                               |  |
| Field/WIN ID →<br>Location ↓ | <br>G1TLHR0100<br>Grassy Hole Spring on Ichetucknee River   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 08/19/19 Time 1320  | Eastern<br>Central                                                         | Composite end<br>Date Time                                      | Bottle Group(s)               |  |
| Latitude                     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            | Diss. Oxygen<br>0.73                                        | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) —                                 | C                             |  |
|                              |                                                             | Temp (C) 21.9                                                             | pH 7.22                                                     | Sample Depth 0.1                                                           | Sp. Conductance (umho/cm) 366.4                                 |                               |  |
|                              |                                                             | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) 0.18                                         | Comments                                                                   |                                                                 |                               |  |
| Location                     |                                                             | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time                | Eastern<br>Central                                                         | Composite end<br>Date Time                                      | Bottle Group(s)               |  |
| Field ID                     |                                                             | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                             | Diss. Oxygen                                                               | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) |  |
| WIN/STORET #                 |                                                             | Temp (C)                                                                  | pH                                                          | Sample Depth                                                               | <input type="checkbox"/> ft<br><input type="checkbox"/> m       | Sp. Conductance<br>(umho/cm)  |  |
| Latitude                     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                             | Comments                                                        |                               |  |

|                                  |                            |                                   |                                 |                  |                           |
|----------------------------------|----------------------------|-----------------------------------|---------------------------------|------------------|---------------------------|
| Relinquished By:<br>Woods/Harden | Date/Time<br>08/19/19 1530 | Shipping Method<br>Hand Delivered | Number of Coolers Shipped:<br>1 | Received By:<br> | Date/Time<br>8/19/19 1522 |
|----------------------------------|----------------------------|-----------------------------------|---------------------------------|------------------|---------------------------|

|          |              |                |                 |               |               |                                     |   |
|----------|--------------|----------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type: | P-1L           | # of Bottles: 2 | 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: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | CHLSUITE-W   |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-250ML-WO-THI | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | ECOLI-18QT   |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | BG-500ML       | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | W-E8321-DI   |                |                 |               |               |                                     |   |
|          | W-E8321-MS   |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-500ML        | # of Bottles: 2 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 2 |
|          | W-ICP        |                |                 |               |               |                                     |   |
|          | W-ICPMS      |                |                 |               | NA 9/29/07    |                                     |   |
| Group: A | Bottle Type: | P-500ML        | # of Bottles: 2 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 2 |
|          | W-NH3        |                |                 |               |               |                                     |   |
|          | W-NO2NO3     |                |                 |               |               |                                     |   |
|          | W-S-A-TP     |                |                 |               | SA 9/29/00    |                                     |   |
|          | W-TKN        |                |                 |               |               |                                     |   |
|          | W-TOC        |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-125ML        | # of Bottles: 2 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 2 |
|          | W-PO4-F      |                |                 |               |               |                                     |   |
| Group: B | Bottle Type: | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |   |
|          | ALKALINITY   |                |                 |               |               |                                     |   |
|          | TURBIDITY    |                |                 |               |               |                                     |   |
|          | W-CL-IC      |                |                 |               |               |                                     |   |
|          | W-COLOR      |                |                 |               |               |                                     |   |
|          | W-F          |                |                 |               |               |                                     |   |

|          |              |                |                 |               |               |                                     |
|----------|--------------|----------------|-----------------|---------------|---------------|-------------------------------------|
| Group: B | Bottle Type: | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
|          | W-SO4-IC     |                |                 |               |               |                                     |
|          | W-TDS        |                |                 |               |               |                                     |
|          | W-TSS        |                |                 |               |               |                                     |
| Group: B | Bottle Type: | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
|          | CHLSUITE-W   |                |                 |               |               |                                     |
| Group: B | Bottle Type: | P-250ML-WO-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
|          | ECOLI-18QT   |                |                 |               |               |                                     |
| Group: B | Bottle Type: | QPCR-P-500ML   | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
|          | PCR-BACR     |                |                 |               |               |                                     |
|          | PCR-DG3      |                |                 |               |               |                                     |
|          | PCR-HF183    |                |                 |               |               |                                     |
| Group: B | Bottle Type: | BG-500ML       | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
|          | W-E8321-DI   |                |                 |               |               |                                     |
|          | W-E8321-MS   |                |                 |               |               |                                     |
| Group: B | Bottle Type: | P-500ML        | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab |
|          | 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 |
|          | W-PO4-F      |                |                 |               |               |                                     |
| Group: C | Bottle Type: | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |
|          | ALKALINITY   |                |                 |               |               | 1                                   |
|          | TURBIDITY    |                |                 |               |               |                                     |
|          | W-CL-IC      |                |                 |               |               |                                     |
|          | W-COLOR      |                |                 |               |               |                                     |
|          | W-F          |                |                 |               |               |                                     |
|          | W-SO4-IC     |                |                 |               |               |                                     |
|          | W-TDS        |                |                 |               |               |                                     |
|          | W-TSS        |                |                 |               |               |                                     |
| Group: C | Bottle Type: | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |

|            |              |                |                 |               |               |                                     |   |
|------------|--------------|----------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: C   | Bottle Type: | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
| CHLSUITE-W |              |                |                 |               |               |                                     |   |
| Group: C   | 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: C   | Bottle Type: | P-125ML        | # of Bottles: 1 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1 |
| W-PO4-F    |              |                |                 |               |               |                                     |   |
| Group: D   | Bottle Type: | P-1L           | # of Bottles: 1 | 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: D   | Bottle Type: | P-250ML-WO-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |   |
| ECOLI-18QT |              |                |                 |               |               |                                     |   |
| Group: D   | Bottle Type: | BG-500ML       | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab |   |
| W-E8321-DI |              |                |                 |               |               |                                     |   |
| W-E8321-MS |              |                |                 |               |               |                                     |   |
| Group: D   | Bottle Type: | P-500ML        | # of Bottles: 1 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab |   |
| W-ICP      |              |                |                 |               |               |                                     |   |
| W-ICPMS    |              |                |                 |               |               |                                     |   |
| Group: D   | Bottle Type: | P-500ML        | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab |   |
| W-NH3      |              |                |                 |               |               |                                     |   |
| W-NO2NO3   |              |                |                 |               |               |                                     |   |
| W-S-A-TP   |              |                |                 |               |               |                                     |   |
| W-TKN      |              |                |                 |               |               |                                     |   |
| W-TOC      |              |                |                 |               |               |                                     |   |

SA 9129100

Group: D

Bottle Type:

P-125ML

# of Bottles: 1

Preservative: FILTER-ICE

Enter Number of Bottles Sent to Lab

W-PO4-F

Date of Request: 25-JUL-2019  
 Created By: ECKLES\_M On: 25-JUL-2019  
 Modified By: JASROTIA\_P On: 29-JUL-2019  
 Customer: TLH-ROC  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Not Applicable  
 Sampling Event: Run 1

**Send Coolers To:**

Phone: 850-245-7586  
 2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Michael Eckles

**Send Final Report To:**

2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Michael Eckles

Program Module Number: 0100  
 Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 25-JUL-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 29-JUL-2019  
 Sampling Kit Required: YES Ship on: 08-AUG-2019  
 Sampling Kit Shipped: YES On: 08-AUG-2019  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 12-AUG-2019  
 Received By:

Report Type: Final Only  
 FTP Data: NO  
 QC Report: YES  
 Date Log: NO  
 Authorization Log: NO

Comments: Group A WBID 3314 2 sites  
  
 Group B WBID 3389  
  
 Group C 3519R  
  
 Group D Blank

No fedex labels

**Bottle Group A (Water) With 2 Samples:**

|                             |                      |                                                                                                              |
|-----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-97) 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    | (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-SO <sub>4</sub> -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 using a maximum of 250 mL of sample                |
| Bottle Type: BP-1L          | Number of Bottles: 2 | 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: 2 | 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: 2 | 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: 2 | Preserved With: HNO <sub>3</sub>                                                                             |

**Bottle Group A (Water) With 2 Samples:**

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | 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 |
| 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              |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | 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: 2 | 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-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: 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: 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: 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: 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: P-1L           | Number of Bottles: 1 | 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)                |                      |                                                                                                                                               |

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

|                    |                      |                                                                                                              |
|--------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L  | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| 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 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 C (Water) With 1 Samples:**

|                      |                      |                                                                                                              |
|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L    | Number of Bottles: 1 | 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 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: 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-00) 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 D (Water) With 1 Samples:**

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 1 | 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 using a maximum of 250 mL of sample                                                  |
| 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: 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-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                   |                      |                                                                                                                                                |

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

|                      |                   |                                                                                                                                                |                               |
|----------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Bottle Type: P-500ML |                   | Number of Bottles: 1                                                                                                                           | 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 |                               |
| 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              |                   |                                                                                                                                                |                               |
| 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-00) 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                                                       |                               |

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