

RQ-2018-08-20-58

## Log-in Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound | \_\_\_\_\_Date/Time of Receipt: 8-21-18/2:17

| Cooler ID | Cooler Temperature* | No. Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking # (fill out only if waybill copy is damaged) |
|-----------|---------------------|---------------------------------|---------------|----|----------|----|-------------------------------------------------------|
|           |                     |                                 | Present?      |    | *Intact? |    |                                                       |
|           |                     |                                 | Yes           | No | Yes      | No |                                                       |
| Red       | 1.3                 | 17                              |               | ✓  |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |

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

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

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

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

## 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: SR

| Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required. |     |                                     |            |     |    |  |
|------------------------------------------------------------------------------------------------------|-----|-------------------------------------|------------|-----|----|--|
| Analysis                                                                                             | Yes | No                                  | Analysis   | Yes | No |  |
| W-1,4 DIOX                                                                                           |     | <input checked="" type="checkbox"/> | W-PC-AA-SF |     |    |  |
| W-E8321-DI, -MS, -21                                                                                 |     |                                     | W-NP-AA-SF |     |    |  |
| W-BNA (-625, -R)                                                                                     |     |                                     | W-PDQUAT   |     |    |  |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |                                     | W-PCL-SQ-R |     |    |  |
| W-U2060-MS                                                                                           |     |                                     | W-TR-TQ    |     |    |  |
| W-PCB-R                                                                                              |     |                                     | W-CT-CI-R  |     |    |  |
| W-PAH (-R)                                                                                           |     |                                     | W-PSNP-TQ  |     |    |  |

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

\*\*Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: SR

\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☐ NA ☒ Init: SR

Coolers Unpacked/Checked by: SR Date: 8-21-18

NCRs (Y/N)? N

Event ID: TLH-ROX-2018-08-21-01

NCR #

## Log-in Checklist

### Samples with Incorrect pH Preservation or presence of Chlorine

| Field ID | Bottle Test ID(s) | pH / Cl | Action Taken |
|----------|-------------------|---------|--------------|
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |

### Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

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

### Bottles Not Intact

| Field ID | Bottle Test ID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|-------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                   |           | CK          | BR | CK                | BR |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |

### Samples with Insufficient Volume for Analyses

| Field ID | Bottle Test ID(s) | Action Taken |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

### Additional Comments:

|                            |                     |
|----------------------------|---------------------|
| Infrared Thermometer ID:   | REC_02_2018         |
| pH Paper 0.0 – 3.0 Lot #   | 230515 EXP:10-30-18 |
| pH Paper 0 – 13 Lot #      | 222516 EXP:08-15-19 |
| Chlorine Test Strips Lot # | 7226 EXP:07/2020    |

### ENCORE SAMPLES

**S-VOC-MS samples in Encores must be frozen within 48 hours of collection.**

Were Encore samples received? Yes \_\_\_\_\_ No ✓

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 5

Customer: TLH-ROC

Requester: Michael Eckles

Field Report Prepared By: C. Green

Project ID: SMP

Collected By: Chris Green / Mike EcklesSampling Agency: 8034

|              |                                                                                                                |                                                                          |                                                                                 |                                                                                            |                                         |
|--------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------|
| Location     | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab                                      | Collection (comp begin or grab)<br>Date <u>8-21-18</u> Time <u>10:15</u> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____                                                     | Bottle Group(s)<br>(See pg 2)           |
| Field ID     | Field/WIN ID → <br>G2TLHR0002 | Matrix (type, e.g., Salt, Fresh, etc)                                    | Diss. Oxygen<br><u>5.77</u>                                                     | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine<br>(mg/L)           |
| WIN/STC      | Location ↓<br>Lake Seminole 200m from boat ramp @ River Rd                                                     | Temp (C)<br><u>26.42</u>                                                 | pH<br><u>7.02</u>                                                               | Sample Depth <u>0.3</u> <input type="checkbox"/> ft <input checked="" type="checkbox"/> m  | Sp. Conductance (umho/cm)<br><u>127</u> |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                    | Salinity (ppt)<br><u>0.06</u>                                            | Comments                                                                        |                                                                                            |                                         |
| Location     | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab                                      | Collection (comp begin or grab)<br>Date <u>8-21-18</u> Time <u>11:00</u> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____                                                     | Bottle Group(s)                         |
| Field ID     | Field/WIN ID → <br>G2TLHR0015 | Matrix (type, e.g., Salt, Fresh, etc)                                    | Diss. Oxygen<br><u>7.66</u>                                                     | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine<br>(mg/L)           |
| WIN/STC      | Location ↓<br>MOSQUITO CREEK @ SR269                                                                           | Temp (C)<br><u>22.05</u>                                                 | pH<br><u>6.63</u>                                                               | Sample Depth <u>0.25</u> <input type="checkbox"/> ft <input checked="" type="checkbox"/> m | Sp. Conductance (umho/cm)<br><u>50</u>  |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                    | Salinity (ppt)<br><u>0.02</u>                                            | Comments                                                                        |                                                                                            |                                         |
| Location     | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab                                      | Collection (comp begin or grab)<br>Date <u>8-21-18</u> Time <u>12:15</u> | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central | Composite end<br>Date _____ Time _____                                                     | Bottle Group(s)                         |
| Field ID     | Field/WIN ID → <br>G2TLHR0041 | Matrix (type, e.g., Salt, Fresh, etc)                                    | Diss. Oxygen<br><u>7.95</u>                                                     | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine<br>(mg/L)           |
| WIN/STC      | Location ↓<br>Unnamed Branch @ Hardaway Rd 2                                                                   | Temp (C)<br><u>22.38</u>                                                 | pH<br><u>5.45</u>                                                               | Sample Depth <u>0.05</u> <input type="checkbox"/> ft <input checked="" type="checkbox"/> m | Sp. Conductance (umho/cm)<br><u>24</u>  |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                                                    | Salinity (ppt)                                                           | Comments                                                                        |                                                                                            |                                         |
| Location     | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab                                                 | Collection (comp begin or grab)<br>Date _____ Time _____                 | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central            | Composite end<br>Date _____ Time _____                                                     | Bottle Group(s)                         |
| Field ID     |                                                                                                                | Matrix (type, e.g., Salt, Fresh, etc)                                    | Diss. Oxygen<br><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 <input type="checkbox"/> m                        | Sp. Conductance (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: <u>C. Green</u> | Date/Time: <u>8-21-18</u> | Shipping Method: <u>Hand</u> | Number of Coolers Shipped: <u>14/10</u> | Received By: <u>SK</u> | Date/Time: <u>8-21-18/2:17</u> |
|----------------------------------|---------------------------|------------------------------|-----------------------------------------|------------------------|--------------------------------|

|          |                                                                                    |                |                 |               |               |                                     |   |
|----------|------------------------------------------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type:                                                                       | P-1L           | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | BP-1L          | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | CHLSUITE-W                                                                         |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-250ML-WO-THI | # of Bottles: 3 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ECOLI-18QT                                                                         |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 3 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-125ML        | # of Bottles: 3 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab |   |
|          | W-PO4-F                                                                            |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                                       | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                                       | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | CHLSUITE-W                                                                         |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                                       | P-500ML        | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|          | W-NH3<br>W-TKN<br>W-NO2NO3<br>W-TOC                                                |                |                 |               |               |                                     |   |

Group: B  
 W-NH3  
 W-TKN  
 W-NO2NO3  
 W-TOC  
 W-S-A-TP  
 # Bottles 1  
 5A8085170  
 3/26/19  
 CB

|          |              |                |                 |                             |                                     |   |
|----------|--------------|----------------|-----------------|-----------------------------|-------------------------------------|---|
| Group: B | Bottle Type: | P-500ML        | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|          | W-NH3        |                |                 | 5A8085170                   |                                     |   |
|          | W-NO2NO3     |                |                 | 3/26/19                     |                                     |   |
|          | W-S-A-TP     |                |                 |                             |                                     |   |
|          | W-TKN        |                |                 |                             |                                     |   |
|          | W-TOC        |                |                 |                             |                                     |   |
| Group: B | Bottle Type: | P-125ML        | # of Bottles: 1 | Preservative: FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1 |
|          | W-PO4-F      |                |                 |                             |                                     |   |
| Group: C | Bottle Type: | P-1L           | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ALKALINITY   |                |                 |                             |                                     |   |
|          | TURBIDITY    |                |                 |                             |                                     |   |
|          | W-CL-IC      |                |                 |                             |                                     |   |
|          | W-COLOR      |                |                 |                             |                                     |   |
|          | W-F          |                |                 |                             |                                     |   |
|          | W-SO4-IC     |                |                 |                             |                                     |   |
|          | W-TDS        |                |                 |                             |                                     |   |
|          | W-TSS        |                |                 |                             |                                     |   |
| Group: 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-250ML-WO-THI | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ECOLI-18QT   |                |                 |                             |                                     |   |
| Group: C | Bottle Type: | QPCR-P-500ML   | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | PCR-FILTER   |                |                 |                             |                                     |   |
| Group: C | Bottle Type: | BG-500ML       | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | W-E8321-DI   |                |                 |                             |                                     |   |
|          | W-E8321-MS   |                |                 |                             |                                     |   |
| Group: C | Bottle Type: | P-500ML        | # of Bottles: 1 | Preservative: HNO3          | Enter Number of Bottles Sent to Lab | 1 |
|          | W-ICP        |                |                 | NA809110                    |                                     |   |
|          | W-ICPMS      |                |                 | 4/9/19                      |                                     |   |
| Group: C | Bottle Type: | P-500ML        | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|          | W-NH3        |                |                 | 5A8085170                   |                                     |   |
|          | W-NO2NO3     |                |                 | 3/26/19                     |                                     |   |
|          | W-S-A-TP     |                |                 |                             |                                     |   |

|          |              |                |                 |                             |                                     |          |
|----------|--------------|----------------|-----------------|-----------------------------|-------------------------------------|----------|
| Group: C | Bottle Type: | P-500ML        | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | <u>1</u> |
|          | W-TKN        |                |                 |                             |                                     |          |
|          | W-TOC        |                |                 |                             |                                     |          |
| Group: C | Bottle Type: | P-125ML        | # of Bottles: 1 | Preservative: FILTER-ICE    | Enter Number of Bottles Sent to Lab | <u>1</u> |
|          | 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: | BP-1L          | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab |          |
|          | CHLSUITE-W   |                |                 |                             |                                     |          |
| 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: | 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        |                |                 |                             |                                     |          |
| 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: 09-AUG-2018  
 Created By: ECKLES\_M On: 09-AUG-2018  
 Modified By: SWANSON\_C On: 15-AUG-2018  
 Customer: TLH-ROC  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Not Applicable  
 Sampling Event: Run 5

**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: 14-AUG-2018  
 Biology Request Reviewed By: SWANSON\_C On: 15-AUG-2018  
 Sampling Kit Required: YES Ship on: 16-AUG-2018  
 Sampling Kit Shipped: YES On: 17-AUG-2018  
 Sampling Kit Packed By: REAVES\_S  
 Preservatives Needed: NO  
 Date to Receive Samples: 20-AUG-2018  
 Received By:

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

Comments: Group A freshwater nutrients with bacteria  
 WBIDs 393, 464, 488  
  
 Group B freshwater nutrients  
 WBID 60  
  
 Group C Freshwater nutrients with metals B/T/M  
 WBID 376A  
  
 Group D Freshwater nutrients with metals and bacteria  
 WBID 477  
  
 No fedex labels

**Bottle Group A (Water) With 3 Samples:**

|                             |                      |                                                                                                              |
|-----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 3 | Preserved With: ICE                                                                                          |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg 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: 3 | 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: 3 | 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: P-500ML        | Number of Bottles: 3 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                       |

**Bottle Group A (Water) With 3 Samples:**

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 3 | Preserved With: ICE And H2SO4                                                            |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                               |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                       |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                      |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                         |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                           |
| Bottle Type: P-125ML | Number of Bottles: 3 | Preserved With: FILTER-ICE                                                               |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

**Bottle Group B (Water) With 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 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-250ML-WO-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colliert 18 Quanti-Tray method - non-chlorinated water systems                                       |
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| PCR-FILTER                  | Template: DEFAULT    | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis                                                                  |
| Bottle Type: BG-500ML       | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| W-E8321-DI                  | Template:            | (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 |

Calcium

**Bottle Group C (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 |
| Chromium             |                      |                                                                                                                                                |
| Iron                 |                      |                                                                                                                                                |
| Magnesium            |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Potassium            |                      |                                                                                                                                                |
| Sodium               |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Arsenic              |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 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: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                       |
| Bottle Type: 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 |
| Calcium                     |                      |                                                                                                                                                |
| Chromium                    |                      |                                                                                                                                                |
| Iron                        |                      |                                                                                                                                                |
| Magnesium                   |                      |                                                                                                                                                |
| Nickel                      |                      |                                                                                                                                                |
| Potassium                   |                      |                                                                                                                                                |
| Sodium                      |                      |                                                                                                                                                |
| Zinc                        |                      |                                                                                                                                                |
| W-ICPMS                     | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Arsenic                     |                      |                                                                                                                                                |
| Cadmium                     |                      |                                                                                                                                                |
| Copper                      |                      |                                                                                                                                                |
| Lead                        |                      |                                                                                                                                                |

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

|                      |                      |                                                                                                                             |
|----------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO3                                                                                                        |
| W-ICPMS              | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |

Silver

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| 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.