

# Login Checklist

RQ- 2022-09-19-32

Login Station ID: #1

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 10/ 10 /22 @ 15:05

| *Cooler Temperature      | Samples Frozen?<br>YES | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |          |          |    | Waybill Tracking # |
|--------------------------|------------------------|----------------------------------------|----------|---------------------------------------|---------------|----------|----------|----|--------------------|
|                          |                        | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |          | *Intact? |    |                    |
|                          |                        |                                        |          |                                       | Yes           | No       | Yes      | No |                    |
| <u>0.6</u><br><u>0.3</u> |                        |                                        |          | <u>16</u><br><u>1</u>                 |               | <u>✓</u> |          |    |                    |
|                          |                        |                                        |          |                                       |               |          |          |    |                    |
|                          |                        |                                        |          |                                       |               |          |          |    |                    |
|                          |                        |                                        |          |                                       |               |          |          |    |                    |
|                          |                        |                                        |          |                                       |               |          |          |    |                    |
|                          |                        |                                        |          |                                       |               |          |          |    |                    |
|                          |                        |                                        |          |                                       |               |          |          |    |                    |
|                          |                        |                                        |          |                                       |               |          |          |    |                    |

## COOLER CHECK

- \*All samples received on ice unless otherwise noted. HNO<sub>3</sub> and Formalin preserved samples do NOT have a temperature requirement.
- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# \_\_\_\_\_
  - DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# \_\_\_\_\_
  - If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# \_\_\_\_\_
  - If coolers or samples are received late; identify the affected samples in an NCR. NCR# \_\_\_\_\_

Chain of Custody/ Field Sheet(s) Included?

Yes ✓ No \_\_\_\_\_

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

Yes \_\_\_\_\_ No ✓

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes \_\_\_\_\_ No ✓ NA \_\_\_\_\_

Evidence Tape intact? Yes \_\_\_\_\_ No ✓

If Criminal, photographs taken?

Yes \_\_\_\_\_ No ✓

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

Caps on tight?

Yes ✓ No \_\_\_\_\_

Sufficient Sample Volume:

Yes ✓ No \_\_\_\_\_

If NO is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# \_\_\_\_\_

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

Yes ✓ No \_\_\_\_\_ Init: KK

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No ✓ Init: KK

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

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

\*\*Acid Preserved Samples: pH< 2.0?

Yes ✓ No \_\_\_\_\_ NA \_\_\_\_\_ Init: KK

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

Yes \_\_\_\_\_ No \_\_\_\_\_ NA ✓ Init: KK

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

Coolers Unpacked/Checked by: KK

Date: 10/ 10 /22

Event contains NCRs (Y/N)? N

EventID: Run 15

TLH-ROC-2022-10-10-01 (SMP)

# Login Checklist

## Login Preservation Equipment

## Lot # & Exp: Date

## Additional Comments:

|                          |                                 |
|--------------------------|---------------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #1   Exp:10/19/2022 |
| pH Test Strips 0 – 6     | Lot# 223819AV   Exp:8/30/23     |
| pH Paper 0 – 3           |                                 |
| pH Paper 0 – 13          | Lot# 207621   Exp:3/15/24       |
| Chlorine Test Strips     | Lot# 0070   Exp:2/23            |

## ENCORE SAMPLES

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

Were Encore samples received? Yes \_\_\_\_\_ Init: \_\_\_\_\_

Date and time placed in freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ No \_\_\_\_\_

If no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 10/10/2022  
**Customer:** TLH-DIST  
**RQ:** RQ-2022-09-19-32  
**Collected By:** Jade Burtchett, Jonathan Woods  
**Sampling Agency:** FDEP  
**Project ID:** SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL  
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

**Number of Coolers Shipped:** 1

**Delivery Method:** HandDelivered

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

| Site Location                           | Field ID/WIN ID                                                                                    |
|-----------------------------------------|----------------------------------------------------------------------------------------------------|
| Lake Kinsale                            | <br>G1TLHR0148   |
| Lewis Creek upstream Hwy157             | <br>G1TLHR159   |
| Willacoochee Creek upstream Milligan Rd | <br>G1TLHR0157 |
| Tanyard Branch @ US90                   | <br>G1TLHR0190 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 10/10/2022  
1500 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:** a.s.haik

**Rec'd/Inspected**  
**Date:** 10/10/2022

WIN ID/Field ID:   
WIN ID/Field ID: G1TLHR0148

Matrix: Fresh

(Check One)

✓ Grab

☐ Composite

| Date and Time {EST}                | DO (mg/L) | DO (%SAT)                                                                    | Temp. © | pH                                       | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT <sub>h</sub> ) |                       |              |     |
|------------------------------------|-----------|------------------------------------------------------------------------------|---------|------------------------------------------|------------------|--------------|-----------------|---------------------|------------------------------|-----------------------|--------------|-----|
| 10/10/2022 1055                    | 6.18      | 70.7                                                                         | 22.1    | 6.86                                     | 0.3              | 0.6          | 1.2             | 63.3                | 0.03                         |                       |              |     |
| Parameter Suite                    |           | Parameter Methods                                                            |         |                                          |                  | Preservation |                 | pH Check            |                              | # Bottles sent to Lab | Bottle Group |     |
| Preserved Nutrients (P-500ML)      |           | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |         |                                          |                  | Ice          |                 | H2SO4*              |                              | <2                    |              |     |
|                                    |           | Lot #                                                                        |         | Exp:                                     |                  |              |                 |                     |                              |                       |              |     |
| Metals (P-500ML)                   |           | W-ICPMS                                                                      |         | W-ICP                                    |                  | W-HARD       |                 | Ice                 |                              | HNO3*                 |              |     |
|                                    |           | Lot #                                                                        |         | Exp:                                     |                  |              |                 |                     |                              | <2                    |              |     |
| Filtered Nutrients (P125ML)        |           | W-PO4-F                                                                      |         | Field Filtered 0.45 um Filter            |                  |              |                 | Ice                 |                              |                       |              |     |
|                                    |           | Filter Lot #                                                                 |         | Syringe Lot #                            |                  |              |                 |                     |                              |                       |              |     |
| BOD (BP-1L)                        |           | OV-BODUNIN                                                                   |         |                                          |                  | Ice          |                 |                     |                              |                       |              |     |
| Chlorophyll (BP-1L)                |           | CHLSUITE-W                                                                   |         |                                          |                  | Ice          |                 |                     |                              |                       |              |     |
| Physical/Aggregate (Fresh) (P-1L)  |           | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS |         |                                          |                  | Ice          |                 |                     |                              |                       |              |     |
| Physical/Aggregate (Marine) (P-1L) |           | Alkalinity / W-F / W-TSS / TURBIDITY                                         |         |                                          |                  | Ice          |                 |                     |                              |                       |              |     |
| Macroinvertebrates (PJ-2L)         |           | MI-FW-QLDC                                                                   |         | Formalin Lot #                           |                  | Formalin     |                 |                     |                              |                       |              |     |
| Periphyton (PT-50ML)               |           | ALGAE-ID                                                                     |         |                                          |                  | Ice          |                 |                     |                              |                       |              |     |
| Microbiology (Contract Lab Bottle) |           | X                                                                            | E Coli  |                                          | F Coli           |              | Enterococci     |                     | x                            |                       |              | Ice |
|                                    |           | Contract Lab                                                                 |         |                                          |                  |              |                 |                     |                              |                       |              |     |
| Molecular (QPCR-P-500ML)           |           | PCR-HF183                                                                    |         | PCR-BacR                                 |                  | PCR-DG3      |                 | Ice                 |                              |                       |              |     |
|                                    |           | PCR-GULL2                                                                    |         | PCR-GFD                                  |                  |              |                 |                     |                              |                       |              |     |
| Tracers (BG-500ML)                 |           | W-E8321-DI                                                                   |         | W-E8321-MS                               |                  |              |                 | Ice                 |                              |                       |              |     |
| Pesticides (BG-500ML) (BG-1L)      |           | W-E8321-DI                                                                   |         | W-E8321-MS                               |                  | W-PSNP-TQ    |                 | Ice                 | MCAA Exp.                    | MCAA Lot#             |              |     |
|                                    |           | W-PCL-TQ-R                                                                   |         | W-CARB-AA (5 ml of MCAA Buffer Solution) |                  | W-CT-CL-R    |                 |                     |                              |                       |              |     |
|                                    |           | W-TR-SQ-R                                                                    |         | W-PCB-TQ-R                               |                  |              |                 |                     |                              |                       |              |     |
| Phytoplankton                      |           | DTY-QN-C                                                                     |         | PKD-QN-BV                                |                  |              |                 | Ice                 |                              |                       |              |     |
| DOC                                |           | W-DOC                                                                        |         | Field Filtered 0.45 um Filter            |                  |              |                 | Ice                 |                              | H2SO 4*               | <2           |     |
|                                    |           |                                                                              |         | Acid Preservative Expiration Date        |                  |              |                 |                     |                              |                       |              |     |
|                                    |           |                                                                              |         | Acid Preservative Lot Number             |                  |              |                 |                     |                              |                       |              |     |



RQ-2022-09-19-32

Customer: FDEP

Project ID: SMP

Collected By: Jade Burtchett, Jonathan Woods

Field Report Prepared by: Jade Burtchett,  
Jonathan Woods

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G1TLHR159

Location: Lewis Creek upstream Hwy157

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 10/10/2022<br>1320  | 7.87      | 84.1      | 18.6     | 7.16 | 0.1              | 0.2          | 0.2             | 109.1               | 0.05           |

  

| Parameter Suite                    | Parameter Methods |                                                                              |         |                                          | Preservation |             | pH Check |        | # Bottles sent to Lab | Bottle Group |    |    |   |   |
|------------------------------------|-------------------|------------------------------------------------------------------------------|---------|------------------------------------------|--------------|-------------|----------|--------|-----------------------|--------------|----|----|---|---|
| Preserved Nutrients (P-500ML)      | X                 | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |         |                                          | X            | Ice         | X        | H2SO4* | X                     | <2           | 1  | B  |   |   |
|                                    |                   | Lot #                                                                        | 2229010 |                                          | Exp:         | 8/30/23     |          |        |                       |              |    |    |   |   |
| Metals (P-500ML)                   | X                 | W-ICPMS                                                                      | X       | W-ICP                                    | X            | W-HARD      | X        | Ice    | X                     | HNO3*        | X  | <2 | 1 | B |
|                                    |                   | Lot #                                                                        | 1105100 |                                          | Exp:         | 6/7/23      |          |        |                       |              |    |    |   |   |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                      |         | Field Filtered 0.45 um Filter            |              |             | Ice      |        |                       |              |    |    |   |   |
|                                    |                   | Filter Lot #                                                                 |         | Syringe Lot #                            |              |             |          |        |                       |              |    |    |   |   |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                   |         |                                          |              |             | Ice      |        |                       |              |    |    |   |   |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                   |         |                                          |              | X           | Ice      |        |                       | 1            | B  |    |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS |         |                                          |              | X           | Ice      |        |                       | 1            | B  |    |   |   |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                         |         |                                          |              |             | Ice      |        |                       |              |    |    |   |   |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                   |         | Formalin Lot #                           |              |             | Formalin |        |                       |              |    |    |   |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                     |         |                                          |              |             | Ice      |        |                       |              |    |    |   |   |
| Microbiology (Contract Lab Bottle) | X                 | E Coli                                                                       |         | F Coli                                   |              | Enterococci | X        | Ice    |                       | 1            | B  |    |   |   |
|                                    |                   | Contract Lab                                                                 |         |                                          |              |             |          |        |                       |              |    |    |   |   |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                    |         | PCR-BacR                                 |              | PCR-DG3     |          | Ice    |                       |              |    |    |   |   |
|                                    |                   | PCR-GULL2                                                                    |         | PCR-GFD                                  |              |             |          |        |                       |              |    |    |   |   |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                   |         | W-E8321-MS                               |              |             | Ice      |        |                       |              |    |    |   |   |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-E8321-DI                                                                   |         | W-E8321-MS                               |              | W-PSNP-TQ   |          | Ice    | MCAA Exp.             | MCAA Lot#    |    |    |   |   |
|                                    |                   | W-PCL-TQ-R                                                                   |         | W-CARB-AA (5 ml of MCAA Buffer Solution) |              | W-CT-CL-R   |          |        |                       |              |    |    |   |   |
|                                    |                   | W-TR-SQ-R                                                                    |         | W-PCB-TQ-R                               |              |             |          |        |                       |              |    |    |   |   |
| Phytoplankton                      |                   | DTY-QN-C                                                                     |         | PKD-QN-BV                                |              |             | Ice      |        |                       |              |    |    |   |   |
| DOC                                |                   | W-DOC                                                                        |         | Field Filtered 0.45 um Filter            |              |             | Ice      |        | H2SO4*                |              | <2 |    |   |   |
|                                    |                   |                                                                              |         | Acid Preservative Expiration Date        |              |             |          |        |                       |              |    |    |   |   |
|                                    |                   |                                                                              |         | Acid Preservative Lot Number             |              |             |          |        |                       |              |    |    |   |   |



RQ-2022-09-19-32

Customer: FDEP

Project ID: SMP

Collected By: Jade Burtchett, Jonathan Woods

Field Report Prepared by: Jade Burtchett,  
Jonathan Woods

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G1TLHR0157

Location: Willacoochee Creek upstream Milligan Rd

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST}                | DO (mg/L) | DO (%SAT)                                                                    | Temp. °C   | pH                                       | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT)        |              |       |  |  |
|------------------------------------|-----------|------------------------------------------------------------------------------|------------|------------------------------------------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|-------|--|--|
| 10/10/2022<br>1350                 | 9.68      | 100.5                                                                        | 17.2       | 7.34                                     | 0.3              | 0.9          | 0.9             | 68.2                | 0.03                  |              |       |  |  |
| Parameter Suite                    |           | Parameter Methods                                                            |            |                                          |                  | Preservation |                 | pH Check            | # Bottles sent to Lab | Bottle Group |       |  |  |
| Preserved Nutrients (P-500ML)      |           | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |            |                                          |                  | Ice          |                 | H2SO4*              |                       |              |       |  |  |
|                                    |           | Lot #                                                                        |            | Exp:                                     |                  |              |                 |                     |                       |              |       |  |  |
| Metals (P-500ML)                   |           | X                                                                            | W-ICPMS    | X                                        | W-ICP            | X            | W-HARD          | X                   | Ice                   | X            | HNO3* |  |  |
|                                    |           | Lot #                                                                        |            | 1105100                                  |                  | Exp:         |                 | 6/7/23              |                       | X            | <2    |  |  |
| Filtered Nutrients (P125ML)        |           | W-PO4-F                                                                      |            | Field Filtered 0.45 um Filter            |                  | Ice          |                 |                     |                       |              |       |  |  |
|                                    |           | Filter Lot #                                                                 |            | Syringe Lot #                            |                  |              |                 |                     |                       |              |       |  |  |
| BOD (BP-1L)                        |           | OV-BODUNIN                                                                   |            |                                          |                  | Ice          |                 |                     |                       |              |       |  |  |
| Chlorophyll (BP-1L)                |           | CHLSUITE-W                                                                   |            |                                          |                  | Ice          |                 |                     |                       |              |       |  |  |
| Physical/Aggregate (Fresh) (P-1L)  |           | Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W- TDS |            |                                          |                  | Ice          |                 |                     |                       |              |       |  |  |
| Physical/Aggregate (Marine) (P-1L) |           | Alkalinity / W-F / W-TSS / TURBIDITY                                         |            |                                          |                  | Ice          |                 |                     |                       |              |       |  |  |
| Macroinvertebrates (PJ-2L)         |           | MI-FW-QLDC                                                                   |            | Formalin Lot #                           |                  | Formalin     |                 |                     |                       |              |       |  |  |
| Periphyton (PT-50ML)               |           | ALGAE-ID                                                                     |            |                                          |                  | Ice          |                 |                     |                       |              |       |  |  |
| Microbiology (Contract Lab Bottle) |           | X                                                                            | E Coli     |                                          | F Coli           |              | Enterococci     | X                   | Ice                   |              |       |  |  |
|                                    |           | Contract Lab                                                                 |            |                                          |                  |              |                 |                     |                       | 1            | B     |  |  |
| Molecular (QPCR-P-500ML)           |           | X                                                                            | PCR-HF183  | X                                        | PCR-BacR         | X            | PCR-DG3         | X                   | Ice                   |              |       |  |  |
|                                    |           | PCR-GULL2                                                                    |            | PCR-GFD                                  |                  |              |                 |                     |                       | 1            | B     |  |  |
| Tracers (BG-500ML)                 |           | X                                                                            | W-E8321-DI | X                                        | W-E8321-MS       | X            | Ice             |                     |                       | 1            | B     |  |  |
| Pesticides (BG-500ML) (BG-1L)      |           | W-E8321-DI                                                                   |            | W-E8321-MS                               |                  | W-PSNP-TQ    |                 | MCAA Exp.           | MCAA Lot#             |              |       |  |  |
|                                    |           | W-PCL-TQ-R                                                                   |            | W-CARB-AA (5 ml of MCAA Buffer Solution) |                  | W-CT-CL-R    |                 |                     |                       |              |       |  |  |
|                                    |           | W-TR-SQ-R                                                                    |            | W-PCB-TQ-R                               |                  |              |                 |                     |                       |              |       |  |  |
| Phytoplankton                      |           | DTY-QN-C                                                                     |            | PKD-QN-BV                                |                  | Ice          |                 |                     |                       |              |       |  |  |
| DOC                                |           | W-DOC                                                                        |            | Field Filtered 0.45 um Filter            |                  | Ice          |                 | H2SO4*              |                       |              |       |  |  |
|                                    |           |                                                                              |            | Acid Preservative Expiration Date        |                  |              |                 |                     |                       | <2           |       |  |  |
|                                    |           |                                                                              |            | Acid Preservative Lot Number             |                  |              |                 |                     |                       |              |       |  |  |



RQ-2022-09-19-32

Customer: FDEP

Project ID: SMP

Collected By: Jade Burtchett, Jonathan Woods

Field Report Prepared by: Jade Burtchett,  
Jonathan Woods

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G1TLHR0190

Location: Tanyard Branch @ US90

Matrix: Fresh

(Check One)

✓ Grab

□ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPT) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|--------------------|----------------|
| 10/10/2022 1410     | 1.48      | 15.4      | 17.2     | 6.67 | 0.3              | 0.9          | 1               | 177.8              | 0.08           |

  

| Parameter Suite                    | Parameter Methods |                                                                             |         |                                          | Preservation |              | pH Check |        | # Bottles sent to Lab | Bottle Group |   |
|------------------------------------|-------------------|-----------------------------------------------------------------------------|---------|------------------------------------------|--------------|--------------|----------|--------|-----------------------|--------------|---|
| Preserved Nutrients (P-500ML)      | X                 | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |         |                                          | X            | Ice          | X        | H2SO4* |                       |              |   |
|                                    |                   | Lot #                                                                       | 2229010 |                                          |              | Exp: 8/30/23 |          | X      | <2                    | 1            | B |
| Metals (P-500ML)                   | X                 | W-ICPMS                                                                     | X       | W-ICP                                    | X            | W-HARD       | X        | Ice    | X                     | HNO3*        |   |
|                                    |                   | Lot #                                                                       | 1105100 |                                          |              | Exp: 6/7/23  |          | X      | <2                    | 1            | B |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                     |         | Field Filtered 0.45 um Filter            |              |              |          |        |                       |              |   |
|                                    |                   | Filter Lot #                                                                |         | Syringe Lot #                            |              |              |          |        |                       |              |   |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                  |         |                                          |              | Ice          |          |        |                       |              |   |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                  |         |                                          | X            | Ice          |          |        |                       |              |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS |         |                                          | X            | Ice          |          |        |                       | 1            | B |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                        |         |                                          |              | Ice          |          |        |                       | 1            | B |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                  |         | Formalin Lot #                           |              | Formalin     |          |        |                       |              |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                    |         |                                          |              | Ice          |          |        |                       |              |   |
| Microbiology (Contract Lab Bottle) | X                 | E Coli                                                                      |         | F Coli                                   |              | Enterococci  | X        | Ice    |                       |              |   |
|                                    |                   | Contract Lab                                                                |         |                                          |              |              |          |        |                       | 1            | B |
| Molecular (QPCR-P-500ML)           | X                 | PCR-HF183                                                                   | X       | PCR-BacR                                 | X            | PCR-DG3      | X        | Ice    |                       |              |   |
|                                    |                   | PCR-GULL2                                                                   |         | PCR-GFD                                  |              |              |          |        |                       | 1            | B |
| Tracers (BG-500ML)                 | X                 | W-E8321-DI                                                                  | X       | W-E8321-MS                               |              |              | X        | Ice    |                       |              |   |
|                                    |                   | W-E8321-DI                                                                  |         | W-E8321-MS                               |              | W-PSNP-TQ    |          |        |                       |              |   |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-PCL-TQ-R                                                                  |         | W-CARB-AA (5 ml of MCAA Buffer Solution) |              | W-CT-CL-R    |          | Ice    | MCAA Exp.             | MCAA Lot#    |   |
|                                    |                   | W-TR-SQ-R                                                                   |         | W-PCB-TQ-R                               |              |              |          |        |                       |              |   |
| Phytoplankton                      |                   | DTY-QN-C                                                                    |         | PKD-QN-BV                                |              |              |          | Ice    |                       |              |   |
| DOC                                |                   | W-DOC                                                                       |         | Field Filtered 0.45 um Filter            |              |              |          | Ice    |                       | H2SO 4*      |   |
|                                    |                   |                                                                             |         | Acid Preservative Expiration Date        |              |              |          |        |                       |              |   |
|                                    |                   |                                                                             |         | Acid Preservative Lot Number             |              |              |          |        |                       |              |   |



Date of Request: 25-AUG-2022  
 Created By: ECKLES\_M On: 25-AUG-2022  
 Modified By: AYRES\_J On: 31-AUG-2022  
 Customer: TLH-ROC  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Not Applicable  
 Event Description: Run 15

**Send Coolers To:**

Phone: 850-245-7586  
 2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Michael Eckles  
 Cooler Ship EMail: Michael.eckles@floridadep.gov

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 31-AUG-2022  
 Biology Request Reviewed By: JASROTIA\_P On: 30-AUG-2022  
 Sampling Kit Required: YES Ship on: 16-SEP-2022  
 Sampling Kit Shipped: YES On: 12-SEP-2022  
 Sampling Kit Packed By: ROBERTS\_Z  
 Preservatives Needed: YES  
 Date to Receive Samples: 19-SEP-2022  
 Logged In By: SHAIK\_A On: 10-OCT-2022

**Send Final Report To:**

2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Michael Eckles  
 Report Notification EMail:  
 michael.eckles@FloridaDEP.gov;terry.green@floridadep.gov

Comments: #####  
 Buffer Solution for W-CARB-AA Bottle Needed  
 #####  
 Group A: WBID 251 (0004)  
 Group B: WBID 337 (0008 & 0007) & 130  
 Group C: WBID 123  
 Group D: WBID 80 (0002)  
 Group E WBID 80 (0003)  
 Group F Blank  
 No FedEx Labels

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

|                    |                      |                                                                                                         |
|--------------------|----------------------|---------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L  | Number of Bottles: 1 | Preserved With: ICE                                                                                     |
| ALKALINITY         | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                           |
| TURBIDITY          | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                      |
| W-CL-IC            | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                       |
| W-COLOR            | Template: DEFAULT    | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                      |
| Color (true)       |                      |                                                                                                         |
| W-F                | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO4-IC           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                        |
| W-TDS              | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                             |
| W-TSS              | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample         |
| Bottle Type: BP-1L | Number of Bottles: 1 | Preserved With: ICE                                                                                     |

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

|                      |                      |                                                                                                              |
|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L   | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| CHLSUITE-W           | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                                                |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                             |

**Bottle Group B (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-2011) Nonpurgeable Organic Carbon in aqueous matrices                                                                               |
| Bottle Type: P-1L           | Number of Bottles: 3 | Preserved With: ICE                                                                                                                            |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                                                                  |
| TURBIDITY                   | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-CL-IC                     | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-COLOR                     | Template: DEFAULT    | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                                                             |
| Color (true)                |                      |                                                                                                                                                |
| W-F                         | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                        |
| W-SO4-IC                    | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                                                                    |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                |
| Bottle 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 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                     |
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 3 | 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: 3 | Preserved With: ICE                                                                                                                            |
| W-E8321-DI                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| W-E8321-MS                  | Template: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| Bottle Type: P-500ML        | Number of Bottles: 3 | Preserved With: HNO3                                                                                                                           |
| W-HARD                      | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                          |
| Hardness                    |                      |                                                                                                                                                |
| W-ICP                       | Template:            | (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                   |                      |                                                                                                                                                |
| Manganese                   |                      |                                                                                                                                                |
| Potassium                   |                      |                                                                                                                                                |
| Sodium                      |                      |                                                                                                                                                |
| Strontium                   |                      |                                                                                                                                                |
| Tin                         |                      |                                                                                                                                                |
| Titanium                    |                      |                                                                                                                                                |
| Vanadium                    |                      |                                                                                                                                                |
| Zinc                        |                      |                                                                                                                                                |

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

|                      |                      |                                                                                                                             |
|----------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 3 | Preserved With: HNO3                                                                                                        |
| W-ICPMS              | Template: DEFAULT    | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
| Aluminum             |                      |                                                                                                                             |
| Antimony             |                      |                                                                                                                             |
| Arsenic              |                      |                                                                                                                             |
| Barium               |                      |                                                                                                                             |
| Beryllium            |                      |                                                                                                                             |
| Boron                |                      |                                                                                                                             |
| Cadmium              |                      |                                                                                                                             |
| Chromium             |                      |                                                                                                                             |
| Cobalt               |                      |                                                                                                                             |
| Copper               |                      |                                                                                                                             |
| Lead                 |                      |                                                                                                                             |
| Manganese            |                      |                                                                                                                             |
| Molybdenum           |                      |                                                                                                                             |
| Nickel               |                      |                                                                                                                             |
| Selenium             |                      |                                                                                                                             |
| Silver               |                      |                                                                                                                             |
| Thallium             |                      |                                                                                                                             |

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

|                               |                      |                                                                                                                                                |
|-------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L             | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ALKALINITY                    | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                                                                  |
| TURBIDITY                     | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-CL-IC                       | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-COLOR                       | Template: DEFAULT    | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                                                             |
| Color (true)                  |                      |                                                                                                                                                |
| W-F                           | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                        |
| W-SO4-IC                      | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS                         | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                                                                    |
| W-TSS                         | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                |
| Bottle Type: BP-1L            | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                    | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-250ML-WO-THI   | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ECOLI-18QT                    | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                     |
| Bottle Type: BG-500ML         | Number of Bottles: 1 | Preserved With: CH2ClCOOH and Ice                                                                                                              |
| W-CARB-AA                     | Template: DEFAULT    | (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS                                                                                         |
| Bottle Type: BG-500ML FILL TO | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
| W-CT-CI-R                     | Template: DEFAULT    | (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization                                              |
| W-PCL-TQ-R                    | Template:            | (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS                                                   |
| Bottle Type: BG-500ML         | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| W-E8321-DI                    | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| W-E8321-MS                    | Template: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| Bottle Type: P-500ML          | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-HARD                        | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                          |
| Hardness                      |                      |                                                                                                                                                |
| 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                     |                      |                                                                                                                                                |
| Manganese                     |                      |                                                                                                                                                |
| Potassium                     |                      |                                                                                                                                                |
| Sodium                        |                      |                                                                                                                                                |
| Strontium                     |                      |                                                                                                                                                |

**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 |
| Tin                  |                      |                                                                                                                                                |
| Titanium             |                      |                                                                                                                                                |
| Vanadium             |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template: DEFAULT    | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Barium               |                      |                                                                                                                                                |
| Beryllium            |                      |                                                                                                                                                |
| Boron                |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Cobalt               |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Manganese            |                      |                                                                                                                                                |
| Molybdenum           |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |

|                      |                      |                                                                                    |
|----------------------|----------------------|------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                      |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                         |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                 |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                   |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                   |
| Bottle Type: BG-1L   | Number of Bottles: 4 | Preserved With: ICE                                                                |
| W-PSNP-TQ            | Template: DEFAULT    | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS |

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

|                             |                      |                                                                                                                                               |
|-----------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                                                                 |
| TURBIDITY                   | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                            |
| W-CL-IC                     | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                             |
| W-COLOR                     | Template: DEFAULT    | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                                                            |
| Color (true)                |                      |                                                                                                                                               |
| W-F                         | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                       |
| W-SO4-IC                    | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                              |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                                                                   |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                               |
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                  |
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                    |
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| PCR-BACR                    | Template: DEFAULT    | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction |
| PCR-DG3                     | Template: DEFAULT    | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction      |
| PCR-HF183                   | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction     |
| Bottle Type: BG-500ML       | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |

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

|                       |                      |                                                                                         |
|-----------------------|----------------------|-----------------------------------------------------------------------------------------|
| Bottle Type: BG-500ML | Number of Bottles: 1 | Preserved With: ICE                                                                     |
| W-E8321-DI            | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |
| W-E8321-MS            | Template: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |
| Bottle Type: P-500ML  | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                           |
| W-NH3                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                              |
| W-NO2NO3              | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                      |
| W-S-A-TP              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                     |
| W-TKN                 | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                        |
| W-TOC                 | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                        |

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

|                             |                      |                                                                                                                                               |
|-----------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                    |
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| PCR-BACR                    | Template: DEFAULT    | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction |
| PCR-DG3                     | Template: DEFAULT    | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction      |
| PCR-HF183                   | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction     |
| Bottle Type: BG-500ML       | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| W-E8321-DI                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                       |
| W-E8321-MS                  | Template: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                       |

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

|                           |                      |                                                                                                                                                |
|---------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L         | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ALKALINITY                | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                                                                  |
| TURBIDITY                 | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-CL-IC                   | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-COLOR                   | Template: DEFAULT    | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                                                             |
| Color (true)              |                      |                                                                                                                                                |
| W-F                       | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                        |
| W-SO4-IC                  | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS                     | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                                                                    |
| W-TSS                     | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                |
| Bottle Type: QPCR-P-500ML | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| PCR-BACR                  | Template: DEFAULT    | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction  |
| PCR-DG3                   | Template: DEFAULT    | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction       |
| PCR-HF183                 | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction      |
| Bottle Type: BG-500ML     | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| W-E8321-DI                | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| W-E8321-MS                | Template: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| Bottle Type: P-500ML      | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-HARD                    | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                          |
| Hardness                  |                      |                                                                                                                                                |
| 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                 |                      |                                                                                                                                                |
| Manganese                 |                      |                                                                                                                                                |
| Potassium                 |                      |                                                                                                                                                |
| Sodium                    |                      |                                                                                                                                                |
| Strontium                 |                      |                                                                                                                                                |
| Tin                       |                      |                                                                                                                                                |
| Titanium                  |                      |                                                                                                                                                |

**Bottle Group F (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 |
| Vanadium             |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template: DEFAULT    | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Barium               |                      |                                                                                                                                                |
| Beryllium            |                      |                                                                                                                                                |
| Boron                |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Cobalt               |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Manganese            |                      |                                                                                                                                                |
| Molybdenum           |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                                                                                  |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                     |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                                             |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                            |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                               |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                                                               |

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