

# Login Checklist

RQ-2020-06-22-47

Login Station ID: \_\_\_\_\_

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 06/30/2020 @ 9:05

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                 |                                        |          |                                       | Present?      |    | *Intact? |    |                    |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                    |
| 1.2                 |                 |                                        |          | 11                                    |               | X  |          |    | 1278 4014 0733     |
| 1.9                 |                 |                                        |          | 15                                    |               | X  |          |    | 1278 4014 0722     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO3 and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# \_\_\_\_\_
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# \_\_\_\_\_
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# \_\_\_\_\_
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# \_\_\_\_\_

Chain of Custody/ Field Sheet(s) Included?

Yes ☒ No ☐

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

Yes ☐ No ☒

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes ☐ No ☐ NA ☒ Evidence Tape intact? Yes ☐ No ☐

If Criminal, photographs taken?

Yes ☐ No ☒ Containers intact? Yes ☒ No ☐

Caps on tight?

Yes ☒ No ☐

Sufficient Sample Volume:

Yes ☒ No ☐

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

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

Yes ☐ No ☒ Init: TR

Chlorine detected? (One container checked per Field ID)

Yes ☐ No ☐ Init: \_\_\_\_\_

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

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

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

Yes ☒ No ☐ NA ☐ Init: TR

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

Yes ☐ No ☐ NA ☒ Init: TR

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

Coolers Unpacked/Checked by: TR

Date: 06/30/2020 Event contains NCRs(Y/N)? N

Event ID: SMP- 3136, 3209, 3107B, 3203A pickups

SE-DIST-2020-06-30-01 (SMP)

Page 1 of 2, 0 Date Received: 30-JUN-2020 09:05

Express BIOLOGY

# 

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                           |
|--------------------------|---------------------------|
| Infrared Thermometer ID: | #4 Temp Gun Exp: 11/05/20 |
| pH Test Strips 0 – 6     |                           |
| pH Paper 0 – 3           |                           |
| pH Paper 0 – 13          | 23619 Exp: 11/01/2022     |
| Chlorine Test Strips     | 8261 Exp: 07/21           |

### 

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

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

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

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

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

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

**FOR CLEAN LAB USE ONLY** – Total Mercury Preservation Check(W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: SE-DIST

Project ID: SMP

Requester: Jordan Skaggs

Field Report Prepared By: Jordan Skaggs

Collected By: Jordan Skaggs, Drew Liddick

Sampling Agency: 21FLWPB

Location: Goat Creek @ Gradick

WIN ID/Field ID:

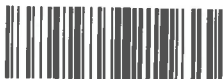


G5SE0080

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

Location: Goat Creek @ Leghorn

WIN ID/Field ID:



G5SE0090

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

Location: Fort Pierce Farm Canal @ Taylor Dairy

WIN ID/Field ID:



G2SE0002

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

Location: Kissimmee upstream of 78

WIN ID/Field ID:



G4SE0131

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

|                                                                           |                                                                           |                             |                                                                            |                                               |                                         |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>06/29/20</u> Time <u>10:20</u> | <u>Eastern</u><br>Central   | Composite end<br>Date _____ Time _____                                     | Bottle Group(s)<br>(See pg 2)<br><br><b>A</b> |                                         |
| Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     |                                                                           | Diss. Oxygen<br><u>5.22</u> | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |                                               | Total Res. Chlorine<br>(mg/L) _____     |
| Temp (C)<br><u>27.7</u>                                                   | pH<br><u>7.36</u>                                                         | Sample Depth<br><u>0.2</u>  | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       |                                               | Sp. Conductance<br>(umho/cm) <u>756</u> |
| Salinity (ppt) <u>0.37</u>                                                |                                                                           | Comments                    |                                                                            |                                               |                                         |
| <input type="checkbox"/> dd<br><input type="checkbox"/> dms               |                                                                           |                             |                                                                            |                                               |                                         |

|                                                                           |                                                                           |                             |                                                                      |                                 |                                         |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------|---------------------------------|-----------------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>06/29/20</u> Time <u>10:40</u> | <u>Eastern</u><br>Central   | Composite end<br>Date _____ Time _____                               | Bottle Group(s)<br><br><b>A</b> |                                         |
| Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     |                                                                           | Diss. Oxygen<br><u>4.37</u> | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      |                                 | Total Res. Chlorine<br>(mg/L) _____     |
| Temp (C)<br><u>28.4</u>                                                   | pH<br><u>7.27</u>                                                         | Sample Depth<br><u>0.2</u>  | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m |                                 | Sp. Conductance<br>(umho/cm) <u>722</u> |
| Salinity (ppt) <u>0.35</u>                                                |                                                                           | Comments                    |                                                                      |                                 |                                         |
| <input type="checkbox"/> dd<br><input type="checkbox"/> dms               |                                                                           |                             |                                                                      |                                 |                                         |

|                                                                           |                                                                           |                             |                                                                      |                                 |                                          |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------|---------------------------------|------------------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>06/29/20</u> Time <u>11:40</u> | <u>Eastern</u><br>Central   | Composite end<br>Date _____ Time _____                               | Bottle Group(s)<br><br><b>A</b> |                                          |
| Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     |                                                                           | Diss. Oxygen<br><u>6.54</u> | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      |                                 | Total Res. Chlorine<br>(mg/L) _____      |
| Temp (C)<br><u>31.6</u>                                                   | pH<br><u>7.36</u>                                                         | Sample Depth<br><u>0.3</u>  | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m |                                 | Sp. Conductance<br>(umho/cm) <u>1505</u> |
| Salinity (ppt) <u>0.75</u>                                                |                                                                           | Comments                    |                                                                      |                                 |                                          |
| <input type="checkbox"/> dd<br><input type="checkbox"/> dms               |                                                                           |                             |                                                                      |                                 |                                          |

|                                                                           |                                                                           |                             |                                                                      |                                 |                                           |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------|---------------------------------|-------------------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>06/29/20</u> Time <u>13:45</u> | <u>Eastern</u><br>Central   | Composite end<br>Date _____ Time _____                               | Bottle Group(s)<br><br><b>A</b> |                                           |
| Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     |                                                                           | Diss. Oxygen<br><u>2.57</u> | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      |                                 | Total Res. Chlorine<br>(mg/L) _____       |
| Temp (C)<br><u>31.8</u>                                                   | pH<br><u>7.04</u>                                                         | Sample Depth<br><u>0.3</u>  | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m |                                 | Sp. Conductance<br>(umho/cm) <u>209.6</u> |
| Salinity (ppt) <u>0.10</u>                                                |                                                                           | Comments                    |                                                                      |                                 |                                           |
| <input type="checkbox"/> dd<br><input type="checkbox"/> dms               |                                                                           |                             |                                                                      |                                 |                                           |

|                                      |                              |                                 |                                        |                                       |                                |
|--------------------------------------|------------------------------|---------------------------------|----------------------------------------|---------------------------------------|--------------------------------|
| Relinquished By:<br><u>JS (FDEP)</u> | Date/Time<br><u>06/29/20</u> | Shipping Method<br><u>FedEx</u> | Number of Coolers Shipped:<br><u>2</u> | Received By:<br><u>Tyler Reynolds</u> | Date/Time<br><u>06/30/2020</u> |
|--------------------------------------|------------------------------|---------------------------------|----------------------------------------|---------------------------------------|--------------------------------|

9:05

SMP- 3136, 3209, 3107B, 3203A pickups

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: SE-DIST

Requester: Jordan Skaggs

Field Report Prepared By:

Project ID: SMP

Collected By:

Jordan Skaggs, Drew Liddick

Sampling Agency:

21 FLWPB

Location: Nubbin Slough upstream of STA

WIN ID/Field ID:



G1SE0004

|                                                                           |                                 |                                 |                                                                            |                                 |
|---------------------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------------------------------|---------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab) | Eastern                         | Composite end                                                              | Bottle Group(s)<br>(See pg 2)   |
|                                                                           | Date 06/29/20 Time 14:20        | Central                         | Date Time                                                                  |                                 |
| Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |                                 | Diss. Oxygen 1.38               | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine (mg/L)      |
| Temp (C) 30.2                                                             | pH 6.33                         | Sample Depth 0.3                | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance (umho/cm) 315.4 |
| Salinity (ppt) 0.15                                                       | Comments                        |                                 |                                                                            |                                 |
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |                                 | Collection (comp begin or grab) | Eastern                                                                    | Composite end                   |
|                                                                           |                                 | Date Time                       | Central                                                                    | Date Time                       |
| Matrix (type, e.g., Salt, Fresh, etc)                                     |                                 | Diss. Oxygen                    | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine (mg/L)      |
| Temp (C)                                                                  | pH                              | Sample Depth                    | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance (umho/cm)       |
| Salinity (ppt)                                                            | Comments                        |                                 |                                                                            |                                 |
| <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |                                 | Collection (comp begin or grab) | Eastern                                                                    | Composite end                   |
|                                                                           |                                 | Date Time                       | Central                                                                    | Date Time                       |
| Matrix (type, e.g., Salt, Fresh, etc)                                     |                                 | Diss. Oxygen                    | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine (mg/L)      |
| Temp (C)                                                                  | pH                              | Sample Depth                    | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance (umho/cm)       |
| Salinity (ppt)                                                            | Comments                        |                                 |                                                                            |                                 |
| <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |                                 | Collection (comp begin or grab) | Eastern                                                                    | Composite end                   |
|                                                                           |                                 | Date Time                       | Central                                                                    | Date Time                       |
| Matrix (type, e.g., Salt, Fresh, etc)                                     |                                 | Diss. Oxygen                    | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine (mg/L)      |
| Temp (C)                                                                  | pH                              | Sample Depth                    | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance (umho/cm)       |
| Salinity (ppt)                                                            | Comments                        |                                 |                                                                            |                                 |

|                            |                     |                        |                              |                             |                       |
|----------------------------|---------------------|------------------------|------------------------------|-----------------------------|-----------------------|
| Relinquished By: JS (FDEP) | Date/Time: 06/29/20 | Shipping Method: FedEx | Number of Coolers Shipped: 2 | Received By: Tyler Reynolds | Date/Time: 06/30/2020 |
|----------------------------|---------------------|------------------------|------------------------------|-----------------------------|-----------------------|

9:05

|          |                                                                                    |                |                 |               |               |                                     |   |
|----------|------------------------------------------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type:                                                                       | P-1L           | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4 |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | BP-1L          | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4 |
|          | CHLSUITE-W                                                                         |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-250ML-WO-THI | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4 |
|          | ECOLI-18QT                                                                         |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 4 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 4 |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-125ML        | # of Bottles: 4 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 4 |
|          | W-PO4-F                                                                            |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                                       | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                                       | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | CHLSUITE-W                                                                         |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                                       | P-250ML-WO-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |

|          |                                                                         |                 |                             |                                     |   |
|----------|-------------------------------------------------------------------------|-----------------|-----------------------------|-------------------------------------|---|
| Group: B | Bottle Type: P-250ML-WO-THI<br>ECOLI-18QT                               | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | / |
| Group: B | Bottle Type: P-500ML<br>W-HARD<br>W-ICP<br>W-ICPMS                      | # of Bottles: 1 | Preservative: HNO3          | Enter Number of Bottles Sent to Lab | / |
| Group: B | Bottle Type: P-500ML<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | / |
| Group: B | Bottle Type: P-125ML<br>W-PO4-F                                         | # of Bottles: 1 | Preservative: FILTER-ICE    | Enter Number of Bottles Sent to Lab | / |

Date of Request: 18-JUN-2020  
 Created By: SKAGGS\_J On: 18-JUN-2020  
 Modified By: JASROTIA\_P On: 23-JUN-2020  
 Customer: SE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Southeast District  
 Event Description: SMP- 3136, 3209, 3107B, 3203A pickups

**Send Coolers To:**

Phone: (772) 4485884  
 FL Dept. of Environmental Protection  
 2199 South Rock Road  
 Fort Pierce, FL 34945  
 Attn: Jordan Skaggs  
 Cooler Ship EMail: jordan.skaggs@FloridaDEP.gov

Priority: 3  
 Event Status: A  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 19-JUN-2020  
 Biology Request Reviewed By: JASROTIA\_P On: 23-JUN-2020  
 Sampling Kit Required: NO Ship on:  
 Sampling Kit Shipped:  
 Sampling Kit Packed By:  
 Preservatives Needed: NO  
 Date to Receive Samples: 24-JUN-2020  
 Logged In By:

**Send Final Report To:**

FL Dept. of Environmental Protection  
 2199 South Rock Road  
 Fort Pierce, FL 34945  
 Attn: Drew Liddick  
 Report Notification EMail:  
 drew.liddick@FloridaDEP.gov;jordan.skaggs@floridadep.gov

Comments: Sampler Comments:

Bottle Group A (nutrients, e.coli)  
 3163 - G2SE0002  
 3209 - G4SE0131  
 3107B - G5SE0080  
 3107B - G5SE0090

Bottle Group B (nutrients, metals, e.coli)  
 3203A - G1SE0004

**Bottle Group A (Water) With 4 Samples:**

|                                   |                      |                                                                                                              |
|-----------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L                 | Number of Bottles: 4 | Preserved With: ICE                                                                                          |
| ALKALINITY                        | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                   |
| TURBIDITY                         | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| W-CL-IC                           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| W-COLOR                           | Template: DEFAULT    | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                              |
| Color (true)                      |                      |                                                                                                              |
| W-F                               | Template: DEFAULT    | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)       |
| W-SO4-IC                          | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |
| W-TDS                             | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                                  |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample              |
| Bottle Type: BP-1L                | Number of Bottles: 4 | 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: 4 | Preserved With: ICE                                                                                          |
| ECOLI-18QT                        | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems     |
| Bottle Type: P-500ML              | Number of Bottles: 4 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                       |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO <sub>2</sub> NO <sub>3</sub> | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-S-A-TP                          | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |

**Bottle Group A (Water) With 4 Samples:**

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 4 | Preserved With: ICE And H2SO4                                                            |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                         |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                         |
| Bottle Type: P-125ML | Number of Bottles: 4 | Preserved With: FILTER-ICE                                                               |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

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

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML        | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                                                                                  |
| W-NH3                       | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                     |
| W-NO2NO3                    | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                                             |
| W-S-A-TP                    | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                            |
| W-TKN                       | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                               |
| W-TOC                       | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                                                               |
| Bottle Type: P-125ML        | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                                                                                     |
| W-PO4-F                     | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                       |
| Bottle Type: P-1L           | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-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    | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                                                                |
| Color (true)                |                      |                                                                                                                                                |
| W-F                         | Template: DEFAULT    | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                         |
| W-SO4-IC                    | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                                                                    |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                |
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                       |
| Bottle Type: P-500ML        | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-HARD                      | Template: DEFAULT    | (SM 2340B) 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                   |                      |                                                                                                                                                |
| Potassium                   |                      |                                                                                                                                                |
| Sodium                      |                      |                                                                                                                                                |
| Zinc                        |                      |                                                                                                                                                |
| W-ICPMS                     | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| *Boron                      |                      |                                                                                                                                                |
| Aluminum                    |                      |                                                                                                                                                |
| Antimony                    |                      |                                                                                                                                                |
| Arsenic                     |                      |                                                                                                                                                |
| Cadmium                     |                      |                                                                                                                                                |
| Chromium                    |                      |                                                                                                                                                |
| Copper                      |                      |                                                                                                                                                |
| Lead                        |                      |                                                                                                                                                |
| Nickel                      |                      |                                                                                                                                                |
| Selenium                    |                      |                                                                                                                                                |
| Silver                      |                      |                                                                                                                                                |
| Thallium                    |                      |                                                                                                                                                |

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