

# Login Checklist

RQ- 2020-10-05-58

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 10/ 7 /20 @ 10:20

| *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 |                    |
| 6.1                 |                 |                                        |          | 10                                    |               | ✓  |          |    | 1278 4012 2322     |
| 0.1                 |                 |                                        |          | 6                                     |               | ✓  |          |    | 1278 4013 0170     |
| 0.8                 |                 |                                        |          | 10                                    |               | ✓  |          |    | 1278 4012 2311     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## 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: HK

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No ✓ Init: HK

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: HK

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

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

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

Coolers Unpacked/Checked by: HK

Date: 10/ 7 /20

Event contains NCRs (Y/N)? N

Event ID:

SMP- 3147 North Canal FINAL  
SE-DIST-2020-10-07-01 (SMP)

Date Received: 07-OCT-2020 10:20

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

|                          |                            |
|--------------------------|----------------------------|
| Infrared Thermometer ID: | Temp Gun #5 EXP:11/05/2020 |
| pH Test Strips 0 – 6     | 5/15/21 LOT#213316BV       |
| pH Paper 0 – 3           |                            |
| pH Paper 0 – 13          | 231019 EXP:11/01/2022      |
| Chlorine Test Strips     | 8261 EXP:07/2021           |

### Additional Comments:

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

### **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 SkaggsCollected By: Jordan Skaggs, Drew LiddickSampling Agency: 21FLWPB

Location: North Canal @ US1

WIN ID/Field ID:



G5SE0043

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

Location: North Canal @ US1

WIN ID/Field ID:



FB\_10062020

Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms

|                                                                           |                                                                           |                             |                                                                            |                                           |                                         |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>10/06/20</u> Time <u>11:30</u> | <u>Eastern</u><br>Central   | Composite end<br>Date _____ Time _____                                     | Bottle Group(s)<br>(See pg 2)<br><u>A</u> |                                         |
| Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     |                                                                           | Diss. Oxygen<br><u>4.55</u> | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |                                           | Total Res. Chlorine<br>(mg/L) _____     |
| Temp<br>(C) <u>27.3</u>                                                   | pH <u>7.52</u>                                                            | Sample Depth <u>0.3</u>     | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       |                                           | Sp. Conductance<br>(umho/cm) <u>761</u> |
| Salinity (ppt) <u>0.37</u>                                                |                                                                           |                             |                                                                            |                                           | Comments _____                          |

|                                                                           |                                                                           |                           |                                                                            |                             |                                     |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------|-----------------------------|-------------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>10/06/20</u> Time <u>11:40</u> | <u>Eastern</u><br>Central | Composite end<br>Date _____ Time _____                                     | Bottle Group(s)<br><u>B</u> |                                     |
| Matrix (type, e.g., Salt, Fresh, etc)<br><u>JS Fresh D.I.</u>             |                                                                           | Diss. Oxygen              | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |                             | Total Res. Chlorine<br>(mg/L) _____ |
| Temp<br>(C) _____                                                         | pH _____                                                                  | Sample Depth _____        | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       |                             | Sp. Conductance<br>(umho/cm) _____  |
| Salinity (ppt) _____                                                      |                                                                           |                           |                                                                            |                             | Comments _____                      |

|                                                                                                                                      |                                                                           |                                                          |                           |                                                                      |                 |                               |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------|---------------------------|----------------------------------------------------------------------|-----------------|-------------------------------|
| Location                                                                                                                             | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date _____ Time _____ | <u>Eastern</u><br>Central | Composite end<br>Date _____ Time _____                               | Bottle Group(s) |                               |
| Field ID                                                                                                                             | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                          | Diss. Oxygen              | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      |                 | Total Res. Chlorine<br>(mg/L) |
| WIN/STORET #                                                                                                                         | Temp<br>(C)                                                               | pH                                                       | Sample Depth              | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m |                 | Sp. Conductance<br>(umho/cm)  |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Salinity (ppt)                                                            |                                                          |                           |                                                                      |                 | Comments                      |

|                                                                                                                                      |                                                                           |                                                          |                           |                                                                      |                 |                               |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------|---------------------------|----------------------------------------------------------------------|-----------------|-------------------------------|
| Location                                                                                                                             | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date _____ Time _____ | <u>Eastern</u><br>Central | Composite end<br>Date _____ Time _____                               | Bottle Group(s) |                               |
| Field ID                                                                                                                             | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                          | Diss. Oxygen              | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      |                 | Total Res. Chlorine<br>(mg/L) |
| WIN/STORET #                                                                                                                         | Temp<br>(C)                                                               | pH                                                       | Sample Depth              | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m |                 | Sp. Conductance<br>(umho/cm)  |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Salinity (ppt)                                                            |                                                          |                           |                                                                      |                 | Comments                      |

|                                                                                                                                      |                                                                           |                                                          |                           |                                                                      |                 |                               |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------|---------------------------|----------------------------------------------------------------------|-----------------|-------------------------------|
| Location                                                                                                                             | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date _____ Time _____ | <u>Eastern</u><br>Central | Composite end<br>Date _____ Time _____                               | Bottle Group(s) |                               |
| Field ID                                                                                                                             | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                          | Diss. Oxygen              | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      |                 | Total Res. Chlorine<br>(mg/L) |
| WIN/STORET #                                                                                                                         | Temp<br>(C)                                                               | pH                                                       | Sample Depth              | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m |                 | Sp. Conductance<br>(umho/cm)  |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Salinity (ppt)                                                            |                                                          |                           |                                                                      |                 | Comments                      |

|                                      |                              |                                 |                                        |                           |                                  |
|--------------------------------------|------------------------------|---------------------------------|----------------------------------------|---------------------------|----------------------------------|
| Relinquished By:<br><u>JS (FDEP)</u> | Date/Time<br><u>10/06/20</u> | Shipping Method<br><u>FedEx</u> | Number of Coolers Shipped:<br><u>3</u> | Received By:<br><u>VK</u> | Date/Time<br><u>10-7-20/1020</u> |
|--------------------------------------|------------------------------|---------------------------------|----------------------------------------|---------------------------|----------------------------------|

|          |                                                                                    |                |                 |               |                            |                                     |   |
|----------|------------------------------------------------------------------------------------|----------------|-----------------|---------------|----------------------------|-------------------------------------|---|
| Group: A | 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: A | Bottle Type:                                                                       | BP-1L          | # of Bottles: 1 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | 1 |
|          | CHLSUITE-W                                                                         |                |                 |               |                            |                                     |   |
| Group: A | Bottle Type:                                                                       | P-250ML-WO-THI | # of Bottles: 1 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | 1 |
|          | ECOLI-18QT                                                                         |                |                 |               |                            |                                     |   |
| Group: A | Bottle Type:                                                                       | BG-500ML       | # of Bottles: 1 | Preservative: | CH2CICOOH<br>Pre-Preserved | Enter Number of Bottles Sent to Lab | 1 |
|          | W-CARB-AA                                                                          |                |                 |               |                            |                                     |   |
| Group: A | Bottle Type:                                                                       | BG-500ML       | # of Bottles: 4 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | 4 |
|          | W-CT-CI-R<br>W-PCL-SQ-R                                                            |                |                 |               |                            |                                     |   |
| Group: A | Bottle Type:                                                                       | BG-500ML       | # of Bottles: 1 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab | 1 |
|          | W-E8321-DI<br>W-E8321-MS                                                           |                |                 |               |                            |                                     |   |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 1 | Preservative: | HNO3                       | Enter Number of Bottles Sent to Lab | 1 |
|          | W-HARD<br>W-ICP<br>W-ICPMS                                                         |                |                 |               |                            |                                     |   |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 1 | Preservative: | ICE And H2SO4              | Enter Number of Bottles Sent to Lab | 1 |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    |                |                 |               |                            |                                     |   |
| Group: A | Bottle Type:                                                                       | P-125ML        | # of Bottles: 1 | Preservative: | FILTER-ICE                 | Enter Number of Bottles Sent to Lab | 1 |
|          | W-PO4-F                                                                            |                |                 |               |                            |                                     |   |

|          |                                                                                                    |          |                 |               |                            |                                              |
|----------|----------------------------------------------------------------------------------------------------|----------|-----------------|---------------|----------------------------|----------------------------------------------|
| Group: A | Bottle Type:<br>W-PSNP-TQ                                                                          | BG-1L    | # of Bottles: 4 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab <u>4</u> |
| Group: B | Bottle Type:<br>ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS | P-1L     | # of Bottles: 1 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab <u>1</u> |
| Group: B | Bottle Type:<br>W-CARB-AA                                                                          | BG-500ML | # of Bottles: 1 | Preservative: | CH2ClCOOH<br>Pre-Preserved | Enter Number of Bottles Sent to Lab <u>1</u> |
| Group: B | Bottle Type:<br>W-CT-CI-R<br>W-PCL-SQ-R                                                            | BG-500ML | # of Bottles: 2 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab <u>2</u> |
| Group: B | Bottle Type:<br>W-E8321-DI<br>W-E8321-MS                                                           | BG-500ML | # of Bottles: 1 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab <u>1</u> |
| Group: B | Bottle Type:<br>W-HARD<br>W-ICP<br>W-ICPMS                                                         | P-500ML  | # of Bottles: 1 | Preservative: | HNO3                       | Enter Number of Bottles Sent to Lab <u>1</u> |
| Group: B | Bottle Type:<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    | P-500ML  | # of Bottles: 1 | Preservative: | ICE And H2SO4              | Enter Number of Bottles Sent to Lab <u>1</u> |
| Group: B | Bottle Type:<br>W-PO4-F                                                                            | P-125ML  | # of Bottles: 1 | Preservative: | FILTER-ICE                 | Enter Number of Bottles Sent to Lab <u>1</u> |
| Group: B | Bottle Type:<br>W-PSNP-TQ                                                                          | BG-1L    | # of Bottles: 2 | Preservative: | ICE                        | Enter Number of Bottles Sent to Lab <u>2</u> |

Date of Request: 21-SEP-2020  
 Created By: SKAGGS\_J On: 21-SEP-2020  
 Modified By: JASROTIA\_P On: 06-OCT-2020  
 Customer: SE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Southeast District  
 Event Description: SMP- 3147 North Canal FINAL

**Send Coolers To:**

Phone: (772) 448-5884  
 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: 06-OCT-2020  
 Biology Request Reviewed By: JASROTIA\_P On: 06-OCT-2020  
 Sampling Kit Required: NO Ship on:  
 Sampling Kit Shipped: YES On: 23-SEP-2020  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 07-OCT-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 : 3147 - G5SE0043  
 Bottle Group B: 3147 - FB

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

|                             |                      |                                                                                                              |
|-----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                   |
| TURBIDITY                   | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| W-CL-IC                     | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| W-COLOR                     | Template: DEFAULT    | (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-SO <sub>4</sub> -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: 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 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: BG-500ML       | Number of Bottles: 1 | Preserved With: CH <sub>2</sub> CICOOH Pre-Preserved                                                         |
| W-CARB-AA                   | Template: DEFAULT    | (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS                                                       |
| Bottle Type: BG-500ML       | 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-SQ-R                  | Template: DEFAULT    | (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS-SIM                |
| 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                      |

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

|                       |                      |                                                                                                                                                |
|-----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: BG-500ML | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| W-E8321-MS            | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| Bottle Type: P-500ML  | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-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               |                      |                                                                                                                                                |
| Beryllium             |                      |                                                                                                                                                |
| Cadmium               |                      |                                                                                                                                                |
| Chromium              |                      |                                                                                                                                                |
| Copper                |                      |                                                                                                                                                |
| Lead                  |                      |                                                                                                                                                |
| Nickel                |                      |                                                                                                                                                |
| Selenium              |                      |                                                                                                                                                |
| Silver                |                      |                                                                                                                                                |
| Thallium              |                      |                                                                                                                                                |
| Bottle Type: P-500ML  | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                                                                                  |
| W-NH3                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                     |
| W-NO2NO3              | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                                             |
| W-S-A-TP              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                            |
| W-TKN                 | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                               |
| W-TOC                 | Template: DEFAULT    | (SM 5310 B-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 Group B (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    | (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: BG-500ML | Number of Bottles: 1 | Preserved With: CH2CICOOH Pre-Preserved                                                                |
| W-CARB-AA             | Template: DEFAULT    | (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS                                                 |
| Bottle Type: BG-500ML | Number of Bottles: 2 | 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-SQ-R            | Template: DEFAULT    | (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS-SIM          |
| Bottle Type: BG-500ML | Number of Bottles: 1 | Preserved With: ICE                                                                                    |
| W-E8321-DI            | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                |
| W-E8321-MS            | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                |
| Bottle Type: P-500ML  | Number of Bottles: 1 | Preserved With: HNO3                                                                                   |
| W-HARD                | Template: DEFAULT    | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                        |

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

|                      |                   |                                                                                                                                                |                                                                        |
|----------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| 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              |                   |                                                                                                                                                |                                                                        |
| Beryllium            |                   |                                                                                                                                                |                                                                        |
| Cadmium              |                   |                                                                                                                                                |                                                                        |
| Chromium             |                   |                                                                                                                                                |                                                                        |
| Copper               |                   |                                                                                                                                                |                                                                        |
| Lead                 |                   |                                                                                                                                                |                                                                        |
| Nickel               |                   |                                                                                                                                                |                                                                        |
| Selenium             |                   |                                                                                                                                                |                                                                        |
| Silver               |                   |                                                                                                                                                |                                                                        |
| Thallium             |                   |                                                                                                                                                |                                                                        |
| Bottle Type: P-500ML |                   | Number of Bottles: 1                                                                                                                           | Preserved With: ICE And H2SO4                                          |
| W-NH3                | Template: DEFAULT | (EPA 350.1 Rev. 2.0)                                                                                                                           | Ammonia in aqueous matrices as mg N/L                                  |
| W-NO2NO3             | Template: DEFAULT | (EPA 353.2 Rev. 2.0)                                                                                                                           | Nitrite/Nitrate in aqueous matrices as mg N/L                          |
| W-S-A-TP             | Template: DEFAULT | (EPA 365.1 Rev. 2.0)                                                                                                                           | Total Phosphorus in aqueous matrices as mg P/L                         |
| W-TKN                | Template: DEFAULT | (EPA 351.2 Rev. 2.0)                                                                                                                           | Total Kjeldahl Nitrogen in aqueous matrices                            |
| W-TOC                | Template: DEFAULT | (SM 5310 B-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: BG-1L   |                   | Number of Bottles: 2                                                                                                                           | Preserved With: ICE                                                    |
| W-PSNP-TQ            | Template: DEFAULT | (EPA 8270E)                                                                                                                                    | Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS |

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