

RQ-2020-02-24-38

## Login Checklist

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 03/11/2020 @ 10:25

| Cooler Temperature* | Samples Frozen<br>YES | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking #<br>Damaged waybills only |
|---------------------|-----------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|-------------------------------------|
|                     |                       | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |    | *Intact? |    |                                     |
|                     |                       |                                        |          |                                       | Yes           | No | Yes      | No |                                     |
| 1.3                 |                       |                                        |          | 12                                    |               | X  |          |    | 1278 4011 8710 7k                   |
|                     |                       |                                        |          |                                       |               | X  |          |    | <del>1278 4011 8720</del>           |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |

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

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

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

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

## CONTAINER CHECK

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

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes ☒ No ☐ Init: Tyler

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

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

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

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

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

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

Coolers Unpacked/Checked by: Tyler Reynolds Date: 03/11/2020 NCRs (Y/N)? NONE

Event ID: SCIS  
SW-DIST-2020-03-11-02 (SMP) NCR #  

Date Received: 11-MAR-2020 10:25

# 

### Samples with Incorrect pH Preservation

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

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

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

### Bottles Not Intact

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

### Samples with Insufficient Volume for Analyses

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

### Additional Comments:

|                                   |                                  |
|-----------------------------------|----------------------------------|
| <b>Infrared Thermometer ID:</b>   | IR TEMP GUN #4   EXP: 11/05/2020 |
| <b>pH Test Strips 0 – 6 Lot #</b> | 213316AV   EXP: 05/15/2020       |
| <b>pH Paper 0 – 3 Lot #</b>       | N/A                              |
| <b>pH Paper 0 – 13 Lot #</b>      | 215517   EXP: 06/01/2020         |
| <b>Chlorine Test Strips Lot #</b> | 8261   EXP: 07/30/2021           |

### ENCORE SAMPLES

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

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

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

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

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

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

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

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

Request Number: RQ-2020-02-24-38

SCIs

# Florida Department of Environmental Protection Central Laboratory Submittal Form

Page 1 of 3

last revised Jan 25, 2018

Customer: SW-DIST

Requester: Benjamin Paswater

Field Report Prepared By:

Judy Ashton

Project ID: SMP

Collected By: J. Ashton, B. Paswater

Sampling Agency:

|                                                      |  |                                                                |  |                                                                         |  |                                                                                 |  |                                           |  |                               |  |
|------------------------------------------------------|--|----------------------------------------------------------------|--|-------------------------------------------------------------------------|--|---------------------------------------------------------------------------------|--|-------------------------------------------|--|-------------------------------|--|
| Location                                             |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date <u>3-10-20</u> Time <u>1300</u> |  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central |  | Composite end<br>Date _____ Time _____    |  | Bottle Group(s)<br>(See pg 2) |  |
| Field ID: <u>G3SW0086</u>                            |  | Matrix (type, e.g., Salt, Fresh, etc)                          |  | Diss. Oxygen<br><u>10.16</u>                                            |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      |  | Total Res. Chlorine<br>(mg/L)             |  | <u>A/B</u>                    |  |
| WIN/S                                                |  | Temp (C) <u>21.7</u>                                           |  | pH <u>7.66</u>                                                          |  | Sample Depth <u>0.1</u>                                                         |  | Sp. Conductance<br>(umho/cm) <u>388.1</u> |  |                               |  |
| Site Name: Thompson Branch @ US17 North of Causey Rd |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Salinity (ppt) <u>0.19</u>                                              |  | Comments<br><u>E. COLI DROPPED OFF 2 AEL</u>                                    |  |                                           |  |                               |  |
| Latitude                                             |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Salinity (ppt)                                                          |  | Comments                                                                        |  |                                           |  |                               |  |
| Location                                             |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date _____ Time _____                |  | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central            |  | Composite end<br>Date _____ Time _____    |  | Bottle Group(s)               |  |
| Field ID: <u>G3SW0089</u>                            |  | 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/ST                                               |  | Temp (C)                                                       |  | pH                                                                      |  | Sample Depth                                                                    |  | Sp. Conductance<br>(umho/cm)              |  |                               |  |
| Site Name: Little Charlie Creek @ 664                |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Salinity (ppt)                                                          |  | Comments                                                                        |  |                                           |  |                               |  |
| Latitude                                             |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Salinity (ppt)                                                          |  | Comments                                                                        |  |                                           |  |                               |  |
| Location                                             |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date _____ Time _____                |  | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central            |  | Composite end<br>Date _____ Time _____    |  | Bottle Group(s)               |  |
| Field ID                                             |  | Matrix (type, e.g., Salt, Fresh, etc)                          |  | Diss. Oxygen                                                            |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 |  | Total Res. Chlorine<br>(mg/L)             |  |                               |  |
| WIN/STORET #                                         |  | Temp (C)                                                       |  | pH                                                                      |  | Sample Depth                                                                    |  | Sp. Conductance<br>(umho/cm)              |  |                               |  |
| Latitude                                             |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Longitude                                                               |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                     |  | Salinity (ppt)                            |  | Comments                      |  |
| Location                                             |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date _____ Time _____                |  | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central            |  | Composite end<br>Date _____ Time _____    |  | Bottle Group(s)               |  |
| Field ID                                             |  | Matrix (type, e.g., Salt, Fresh, etc)                          |  | Diss. Oxygen                                                            |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 |  | Total Res. Chlorine<br>(mg/L)             |  |                               |  |
| WIN/STORET #                                         |  | Temp (C)                                                       |  | pH                                                                      |  | Sample Depth                                                                    |  | Sp. Conductance<br>(umho/cm)              |  |                               |  |
| Latitude                                             |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Longitude                                                               |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                     |  | Salinity (ppt)                            |  | Comments                      |  |
| Location                                             |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date _____ Time _____                |  | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central            |  | Composite end<br>Date _____ Time _____    |  | Bottle Group(s)               |  |
| Field ID                                             |  | Matrix (type, e.g., Salt, Fresh, etc)                          |  | Diss. Oxygen                                                            |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 |  | Total Res. Chlorine<br>(mg/L)             |  |                               |  |
| WIN/STORET #                                         |  | Temp (C)                                                       |  | pH                                                                      |  | Sample Depth                                                                    |  | Sp. Conductance<br>(umho/cm)              |  |                               |  |
| Latitude                                             |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms    |  | Longitude                                                               |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                     |  | Salinity (ppt)                            |  | Comments                      |  |

|                                      |                                  |                                  |                                        |                                       |                                        |
|--------------------------------------|----------------------------------|----------------------------------|----------------------------------------|---------------------------------------|----------------------------------------|
| Relinquished By:<br><u>J. Ashton</u> | Date/Time<br><u>3-10-20 1600</u> | Shipping Method<br><u>FED EX</u> | Number of Coolers Shipped:<br><u>2</u> | Received By:<br><u>Tyler Reynolds</u> | Date/Time<br><u>03/11/2020 @ 10:20</u> |
|--------------------------------------|----------------------------------|----------------------------------|----------------------------------------|---------------------------------------|----------------------------------------|

|          |                                                                                    |                |                 |               |               |                                     |   |
|----------|------------------------------------------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type:                                                                       | P-1L           | # of Bottles: 2 | 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: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | CHLSUITE-W                                                                         |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-250ML-WI-THI | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | <del>SW-AEL-ECQ</del> <del>SW-PEA-ELQ</del> SW-AEL-ELQ                             |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | BG-500ML       | # of Bottles: 2 | 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: 2 | 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: 2 | 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: 2 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1 |
|          | W-PO4-F                                                                            |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | BG-1L          | # of Bottles: 6 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4 |
|          | W-PSNP-TQ                                                                          |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                                       | PT-50ML        | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0 |
|          | ALGAL_ID                                                                           |                |                 |               |               |                                     |   |

Group B MI-FW-QLDC PJ-2L FORMALIN H JENT

2



Advanced  
Environmental Laboratories, Inc.

☐ **Gainesville:** 4965 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.395.6639  
☐ **Jacksonville:** 6681 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354  
☐ **Tallahassee:** 2639 North Monroe Street, Suite D • Tallahassee, FL 32303 • 850.219.6274 • Fax 850.219.6275  
☒ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

|                                                                |  |                                                                                              |  |                                                                                              |  |                   |  |                   |  |
|----------------------------------------------------------------|--|----------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------|--|-------------------|--|-------------------|--|
| Client Name: <b>FDEP SW Dist.</b>                              |  | Project Name: <b>SMP</b>                                                                     |  | BOTTLE SIZE & TYPE                                                                           |  | Analysis Required |  | LABORATORY I.D. # |  |
| Address: <b>13051 N. Telecom Pkwy. Temple Terrace FL 33637</b> |  | P.O. Number: <b>B5A496</b>                                                                   |  |                                                                                              |  |                   |  |                   |  |
| Phone: <b>813-470-5770</b>                                     |  | Project Address:                                                                             |  |                                                                                              |  |                   |  |                   |  |
| Contact: <b>Judy Ashton 813-470-5772</b>                       |  | Special Instructions: <b>RQ-2020- SEE BELOW</b>                                              |  |                                                                                              |  |                   |  |                   |  |
| Sampled By:                                                    |  | Turn Around Time: <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> RUSH |  | <input type="checkbox"/> ADaPT <input type="checkbox"/> EQUIS <input type="checkbox"/> Other |  |                   |  |                   |  |
| Page: <b>1</b> of <b>1</b>                                     |  |                                                                                              |  |                                                                                              |  |                   |  |                   |  |

| SAMPLE ID                                                                                                                                                                           | SAMPLE DESCRIPTION | Grab Comp | SAMPLING       |             | MATRIX    | NO. COUNT | PRE SER- VATI ON | E. COLI  | ICE |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|----------------|-------------|-----------|-----------|------------------|----------|-----|
|                                                                                                                                                                                     |                    |           | DATE           | TIME        |           |           |                  |          |     |
| Field ID/WIN<br><b>G3SW0086</b><br><br>Site Name: <b>Thompson Branch @ US17 North of Causey Rd</b> |                    |           | <b>3-10-20</b> | <b>1308</b> | <b>SW</b> | <b>1</b>  |                  | <b>1</b> |     |
| <b>RQ-2020-02-24-38</b>                                                                                                                                                             |                    |           | <b>3-10-20</b> |             | <b>SW</b> |           |                  |          |     |
| Field ID/WIN<br><b>G3SW0089</b><br><br>Site Name: <b>Little Charlie Creek @ 664</b>                |                    |           | <b>3-10-20</b> | <b>1400</b> | <b>SW</b> | <b>1</b>  |                  | <b>1</b> |     |
| <b>RQ-2020-03-09-67</b>                                                                                                                                                             |                    |           |                |             |           |           |                  |          |     |
|                                                                                                                                                                                     |                    |           |                |             |           |           |                  |          |     |
|                                                                                                                                                                                     |                    |           |                |             |           |           |                  |          |     |
|                                                                                                                                                                                     |                    |           |                |             |           |           |                  |          |     |

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge Preservation Code: I = Ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☐ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received \_\_\_\_\_ (In degrees celcius)

DCN: AD-051 Form last revised 04/30/2015 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V

|                  |                |             |                    |                |             |
|------------------|----------------|-------------|--------------------|----------------|-------------|
| Relinquished by: | Date           | Time        | Received by:       | Date           | Time        |
| <b>J. Ashton</b> | <b>3-10-20</b> | <b>1542</b> | <b>[Signature]</b> | <b>3/10/20</b> | <b>1545</b> |

**FOR DRINKING WATER USE:**

PWS ID: \_\_\_\_\_

Date of Request: 10-FEB-2020  
 Created By: PASWATER\_B On: 10-FEB-2020  
 Modified By: JASROTIA\_P On: 10-FEB-2020  
 Customer: SW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Southwest District  
 Sampling Event: SCIs

**Send Coolers To:**

Phone: 813-632-7600  
 FL Dept. of Environmental Protection  
 13051 N. Telecom Parkway  
 Temple Terrace, FL 33637-0926  
 Attn: Ben Paswater

**Send Final Report To:**

FL Dept. of Environmental Protection  
 13051 N. Telecom Parkway  
 Temple Terrace, FL 33637-0926  
 Attn: Ben Paswater

Program Module Number:

Priority: 3

Event Status: S

Criminal Investigation: NO

Chemistry Request Reviewed By: WATTS\_J On: 10-FEB-2020

Biology Request Reviewed By: JASROTIA\_P On: 10-FEB-2020

Sampling Kit Required: YES Ship on: 14-FEB-2020

Sampling Kit Shipped: YES On: 12-FEB-2020

Sampling Kit Packed By: MCCOY\_I

Preservatives Needed: NO

Date to Receive Samples: 24-FEB-2020

Received By:

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments:

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

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 2 | 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: BP-1L          | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| SW-AEL-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by AEL in Tampa                                                                              |
| Bottle Type: BG-500ML       | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| W-E8321-DI                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| W-E8321-MS                  | Template:            | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| Bottle Type: P-500ML        | Number of Bottles: 2 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| W-HARD                      | Template: DEFAULT    | (SM 2340B) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO <sub>3</sub>                                                    |
| 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                   |                      |                                                                                                                                                |

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template:            | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |

Sodium  
Zinc

|         |           |                                                                                                                             |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------|
| W-ICPMS | Template: | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------|

\*Boron  
Aluminum  
Antimony  
Arsenic  
Cadmium  
Chromium  
Copper  
Lead  
Nickel  
Selenium  
Silver  
Thallium

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: ICE And H2SO4                                       |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L          |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices    |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices    |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-125ML | Number of Bottles: 2 | Preserved With: FILTER-ICE                                                               |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

|                    |                      |                                                                                    |
|--------------------|----------------------|------------------------------------------------------------------------------------|
| Bottle Type: BG-1L | Number of Bottles: 6 | Preserved With: ICE                                                                |
| W-PSNP-TQ          | Template: MASTERLIST | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS |

**Bottle Group B (Biological) With 2 Samples:**

|                    |                      |                                                                |
|--------------------|----------------------|----------------------------------------------------------------|
| Bottle Type: PJ-2L | Number of Bottles: 4 | Preserved With: Formalin                                       |
| MI-FW-QLDC         | Template: DEFAULT    | (SOP-IZ06) No. Taxa of FW macroinverts, qual samp, 20 dipnets. |

|                      |                      |                                                                        |
|----------------------|----------------------|------------------------------------------------------------------------|
| Bottle Type: PT-50ML | Number of Bottles: 2 | Preserved With: ICE                                                    |
| ALGAL_ID             | Template: DEFAULT    | (SOP-AB05) Qualitative assessment of algal taxa present without counts |

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