

# Log-in Checklist

RQ- 2018-11-19-12

Login Station ID: #4

Shipping Method: FedEx UPS | HD | Greyhound

Date/Time of Receipt: 11/28/18 @ 11:14 am

| Cooler Temperature* | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking # (fill out only if waybill copy is damaged) |
|---------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|-------------------------------------------------------|
|                     |                                        |          |                                       | Present?      |    | *Intact? |    |                                                       |
|                     | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                                                       |
| 1.0°C               |                                        |          | 15                                    |               | X  |          |    | 4385 503S 3288                                        |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |

\* HNO<sub>3</sub> and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form.

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

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

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ✓ No X Date 11/28/18

## CONTAINER CHECK

**\*\*Evidence Tape on Bottles?** Yes        No X 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 X Init: TR

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

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

**\*\*Acid Preserved Samples:** pH ≤ 2.0? Yes ✓ No        NA        Init: TR

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

Coolers Unpacked/Checked by: Tyler R. Date: 11/28/18 NCRs (Y/N)? N

Event ID: Escambia River Run NCR #       

Page 1 of 2, 8/ NW-DIST-2018-11-28-02 (SMP) Date Received: 28-NOV-2018 11

## Log-in Checklist

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

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

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

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

### Bottles Not Intact

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

### Samples with Insufficient Volume for Analyses

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

### Additional Comments:

|                            |                       |
|----------------------------|-----------------------|
| Infrared Thermometer ID:   | REC_04_2018           |
| pH Paper 0.0 – 3.0 Lot #   |                       |
| pH Paper 0 – 13 Lot #      | 222516 EXP:09/15/2019 |
| Chlorine Test Strips Lot # | 091417V EXP:09/2021   |

### 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: \_\_\_\_\_

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By:

S. Slade

Project ID: SMP

Collected By:

Nathan Mulkey / S. Slade

Sampling Agency:

FDEP NWROC

|          |                                                             |                                                                                     |                                                                           |                                                                          |                                                                                                 |                                          |                               |
|----------|-------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------|
| Location | Field/WIN ID                                                |    | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>11/26/18</u> Time <u>1000</u> | Eastern<br><input checked="" type="checkbox"/> Central                                          | Composite end<br>Date _____ Time _____   | Bottle Group(s)<br>(See pg 2) |
| Field ID | G4NW0408                                                    |                                                                                     | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                                          | Diss. Oxygen<br><u>7.38</u> <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat     | Total Res. Chlorine<br>(mg/L)            | A                             |
| WIN/STC  | Location:<br>Dead River upstream of Yellow River            |                                                                                     | Temp (C)<br><u>14.3</u>                                                   | pH<br><u>5.54</u>                                                        | Sample Depth<br><u>0.3</u> <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m | Sp. Conductance<br>(umho/cm) <u>32.9</u> |                               |
| Latitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                           | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)<br><u>0.01</u>                                            | Comments<br><u>no metals Kit A</u>                                                              |                                          |                               |
| Location | Field/WIN ID                                                |    | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>11/26/18</u> Time <u>1005</u> | Eastern<br><input checked="" type="checkbox"/> Central                                          | Composite end<br>Date _____ Time _____   | Bottle Group(s)               |
| Field ID | G4NW0408_DUP                                                |                                                                                     | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                                          | Diss. Oxygen<br><input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine<br>(mg/L)            | A                             |
| WIN/STO  | Location:<br>Dead River upstream of Yellow River            |                                                                                     | Temp (C)                                                                  | pH                                                                       | Sample Depth<br><input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m            | 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<br><u>no metals Kit A</u>                                                              |                                          |                               |
| Location | Field/WIN ID                                                |    | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>11/26/18</u> Time <u>1010</u> | Eastern<br><input checked="" type="checkbox"/> Central                                          | Composite end<br>Date _____ Time _____   | Bottle Group(s)               |
| Field ID | BLANK_11262018                                              |                                                                                     | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                                          | Diss. Oxygen<br><input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat                 | Total Res. Chlorine<br>(mg/L)            | B                             |
| WIN/STO  | Location:<br>Dead River upstream of Yellow River            |                                                                                     | Temp (C)                                                                  | pH                                                                       | Sample Depth<br><input type="checkbox"/> ft<br><input type="checkbox"/> m                       | 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<br><u>no metals Field Blank</u>                                                        |                                          |                               |
| Location | Field/WIN ID                                                |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>11/26/18</u> Time <u>1025</u> | Eastern<br><input checked="" type="checkbox"/> Central                                          | Composite end<br>Date _____ Time _____   | Bottle Group(s)               |
| Field ID | G4NW0385                                                    |                                                                                     | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                                          | Diss. Oxygen<br><u>7.12</u> <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat     | Total Res. Chlorine<br>(mg/L)            | A                             |
| WIN/STO  | Location:<br>Boiling Creek at Boat Launch                   |                                                                                     | Temp (C)<br><u>17.4</u>                                                   | pH<br><u>4.67</u>                                                        | Sample Depth<br><u>0.3</u> <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m | Sp. Conductance<br>(umho/cm) <u>16.7</u> |                               |
| Latitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                           | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)<br><u>0.01</u>                                            | Comments<br><u>no metals Kit A</u>                                                              |                                          |                               |

|                                      |                                   |                                 |                                        |                                 |                                      |
|--------------------------------------|-----------------------------------|---------------------------------|----------------------------------------|---------------------------------|--------------------------------------|
| Relinquished By:<br><u>N. Mulkey</u> | Date/Time<br><u>11/26/18 1630</u> | Shipping Method<br><u>Fedex</u> | Number of Coolers Shipped:<br><u>1</u> | Received By:<br><u>Tyler R.</u> | Date/Time<br><u>11/28/18 @ 11:14</u> |
|--------------------------------------|-----------------------------------|---------------------------------|----------------------------------------|---------------------------------|--------------------------------------|

|                     |                         |                    |                            |                          |                 |                                                |   |
|---------------------|-------------------------|--------------------|----------------------------|--------------------------|-----------------|------------------------------------------------|---|
| Group: A            | Bottle Type:            | P-1L               | # of Bottles: 4            | Preservative:            | ICE             | Enter Number of Bottles Sent to Lab            | 3 |
|                     | ALKALINITY              |                    |                            |                          |                 |                                                |   |
|                     | TURBIDITY               |                    |                            |                          |                 |                                                |   |
|                     | W-CL-IC                 |                    |                            |                          |                 |                                                |   |
|                     | W-COLOR                 |                    |                            |                          |                 |                                                |   |
|                     | W-F                     |                    |                            |                          |                 |                                                |   |
|                     | W-SO4-IC                |                    |                            |                          |                 |                                                |   |
|                     | W-TDS                   |                    |                            |                          |                 |                                                |   |
|                     | W-TSS                   |                    |                            |                          |                 |                                                |   |
| Group: A            | Bottle Type:            | BP-1L              | # of Bottles: 4            | Preservative:            | ICE             | Enter Number of Bottles Sent to Lab            | 3 |
|                     | CHLSUITE-W              |                    |                            |                          |                 |                                                |   |
| Group: A            | Bottle Type:            | TEST HAS NO BOTTLE | # of Bottles: 4            | Preservative:            | ICE             | Enter Number of Bottles Sent to Lab            | 3 |
|                     | NW-UWF-ECQ              |                    |                            |                          |                 |                                                |   |
| <del>Group: A</del> | <del>Bottle Type:</del> | <del>P-500ML</del> | <del># of Bottles: 4</del> | <del>Preservative:</del> | <del>HNO3</del> | <del>Enter Number of Bottles Sent to Lab</del> |   |
|                     | <del>W-ICP</del>        |                    |                            |                          |                 |                                                |   |
|                     | <del>W-ICPMS</del>      |                    |                            |                          |                 |                                                |   |
| Group: A            | Bottle Type:            | P-500ML            | # of Bottles: 4            | Preservative:            | ICE And H2SO4   | Enter Number of Bottles Sent to Lab            | 3 |
|                     | W-NH3                   |                    |                            |                          |                 |                                                |   |
|                     | W-NO2NO3                |                    |                            |                          |                 |                                                |   |
|                     | W-S-A-TP                |                    |                            |                          |                 |                                                |   |
|                     | W-TKN                   |                    |                            |                          |                 |                                                |   |
|                     | W-TOC                   |                    |                            |                          |                 |                                                |   |
| Group: A            | Bottle Type:            | P-125ML            | # of Bottles: 4            | Preservative:            | FILTER-ICE      | Enter Number of Bottles Sent to Lab            | 3 |
|                     | W-PO4-F                 |                    |                            |                          |                 |                                                |   |
| Group: B            | Bottle Type:            | P-1L               | # of Bottles: 1            | Preservative:            | ICE             | Enter Number of Bottles Sent to Lab            | 1 |
|                     | ALKALINITY              |                    |                            |                          |                 |                                                |   |
|                     | TURBIDITY               |                    |                            |                          |                 |                                                |   |
|                     | W-CL-IC                 |                    |                            |                          |                 |                                                |   |
|                     | W-COLOR                 |                    |                            |                          |                 |                                                |   |
|                     | W-F                     |                    |                            |                          |                 |                                                |   |
|                     | W-SO4-IC                |                    |                            |                          |                 |                                                |   |
|                     | W-TDS                   |                    |                            |                          |                 |                                                |   |
|                     | W-TSS                   |                    |                            |                          |                 |                                                |   |

|          |                      |                 |                    |                                     |
|----------|----------------------|-----------------|--------------------|-------------------------------------|
| Group: B | Bottle Type: P-500ML | # of Bottles: 1 | Preservative: HNO3 | Enter Number of Bottles Sent to Lab |
| W-ICP    |                      |                 |                    |                                     |
| W-ICPMS  |                      |                 |                    |                                     |

|          |                      |                 |                             |                                     |
|----------|----------------------|-----------------|-----------------------------|-------------------------------------|
| Group: B | Bottle Type: P-500ML | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab |
| W-NH3    |                      |                 |                             |                                     |
| W-NO2NO3 |                      |                 |                             |                                     |
| W-S-A-TP |                      |                 |                             |                                     |
| W-TKN    |                      |                 |                             |                                     |
| W-TOC    |                      |                 |                             |                                     |

|          |                      |                 |                          |                                     |
|----------|----------------------|-----------------|--------------------------|-------------------------------------|
| Group: B | Bottle Type: P-125ML | # of Bottles: 1 | Preservative: FILTER-ICE | Enter Number of Bottles Sent to Lab |
| W-PO4-F  |                      |                 |                          |                                     |

## Document Reference # 05.1.0

Sample received by: Shirley Sando of WRL

Sampler's initials: SL/vm

Date/Time: 11/26/18 11:45

Date/Time: 11/26/2018 11:45

[illegible]

RQ-2018-11-19-12

Phone: (850) 595-0605

Sampler's name: Nathan Mulkey

<sup>3</sup> Recorded using IRT-2

Date of Request: 23-OCT-2018  
 Created By: KING\_M On: 23-OCT-2018  
 Modified By: JASROTIA\_P On: 31-OCT-2018  
 Customer: NW-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northwest District  
 Sampling Event: Escambia River Run

**Send Coolers To:**

Phone: 850-595-0605  
 160 Government Center  
 Suite 208  
 Pensacola, FL 32502-5794  
 Attn: Michael King

**Send Final Report To:**

160 Government Center  
 Suite 208  
 Pensacola, FL 32502-5794  
 Attn: Cheryl Bunch

Program Module Number: 1306  
 Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 29-OCT-2018  
 Biology Request Reviewed By: JASROTIA\_P On: 31-OCT-2018  
 Sampling Kit Required: YES Ship on: 09-NOV-2018  
 Sampling Kit Shipped: YES On: 06-NOV-2018  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 19-NOV-2018  
 Received By:

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

Comments: Group A: (WBID 10A, 10B, 429) Freshwater Kit With Metals, Contract Lab Bacteria  
 Group B: (Field Blank) Freshwater Kit with metals, no chlorophyll

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

|                          |                      |                                                                                                                                                |
|--------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L        | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
| ALKALINITY               | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                                                    |
| TURBIDITY                | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-CL-IC                  | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-COLOR                  | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                                                      |
| Color (true)             |                      |                                                                                                                                                |
| W-F                      | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                           |
| W-SO4-IC                 | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS                    | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                      |
| W-TSS                    | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                  |
| Bottle Type: BP-1L       | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W               | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: TEST HAS NO | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
| NW-UWF-ECQ               | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by UWF Laboratory in Pensacola                                      |
| Bottle Type: P-500ML     | Number of Bottles: 4 | Preserved With: HNO3                                                                                                                           |
| W-ICP                    | Template:            | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium                  |                      |                                                                                                                                                |
| Iron                     |                      |                                                                                                                                                |
| Magnesium                |                      |                                                                                                                                                |
| Potassium                |                      |                                                                                                                                                |
| Sodium                   |                      |                                                                                                                                                |
| Zinc                     |                      |                                                                                                                                                |

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

Bottle Type: P-500ML      Number of Bottles: 4      Preserved With: HNO3  
 W-ICPMS      Template: PRTY      (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Arsenic  
 Cadmium  
 Chromium  
 Copper  
 Lead  
 Nickel  
 Silver

Bottle Type: P-500ML      Number of Bottles: 4      Preserved With: ICE And H2SO4  
 W-NH3      Template: DEFAULT      (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L  
 W-NO2NO3      Template: DEFAULT      (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  
 W-S-A-TP      Template: DEFAULT      (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L  
 W-TKN      Template: DEFAULT      (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices  
 W-TOC      Template: DEFAULT      (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Type: P-125ML      Number of Bottles: 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-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-97) Alkalinity in aqueous matrices as mg CaCO3/L  
 TURBIDITY      Template: DEFAULT      (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices  
 W-CL-IC      Template: DEFAULT      (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices  
 W-COLOR      Template: DEFAULT      (SM 2120 B) True Color measured at 450 nm  
 Color (true)  
 W-F      Template: DEFAULT      (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)  
 W-SO4-IC      Template: DEFAULT      (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices  
 W-TDS      Template: DEFAULT      (SM 2540 C-97) Total Dissolved Solids in aqueous matrices  
 W-TSS      Template: DEFAULT      (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Bottle Type: P-500ML      Number of Bottles: 1      Preserved With: HNO3  
 W-ICP      Template:      (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Calcium  
 Iron  
 Magnesium  
 Potassium  
 Sodium  
 Zinc

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

Arsenic  
 Cadmium  
 Chromium  
 Copper  
 Lead  
 Nickel  
 Silver

Bottle Type: P-500ML      Number of Bottles: 1      Preserved With: ICE And H2SO4  
 W-NH3      Template: DEFAULT      (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L  
 W-NO2NO3      Template: DEFAULT      (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  
 W-S-A-TP      Template: DEFAULT      (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L  
 W-TKN      Template: DEFAULT      (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices  
 W-TOC      Template: DEFAULT      (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices