

# Log-in Checklist

RQ-2018-12-17-12

Login Station ID: # 3

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 12/28/2018 / 09:40

| 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) |
|---------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|-------------------------------------------------------|
|                     | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |    | *Intact? |    |                                                       |
|                     |                                        |          |                                       | Yes           | No | Yes      | No |                                                       |
| 1.9c                |                                        |          | 13                                    |               | X  |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |

\* 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 below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

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

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes        No        Date 12-28-18

## CONTAINER CHECK

**\*\*Evidence Tape on Bottles?** Yes        No X If yes, is it intact? Yes        No       

**\*\*Caps on tight?** Yes X No        **\*\*Containers intact?** Yes        No       

**\*\*Sufficient Sample Volume:** Yes X No       

**CHLORINE CHECK REQUIRED? (Blue dot on container)** Yes        No X Init: **ABS**

| 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  |     |    |
| W-PFAS-MS                                                                                            |     |    |            |     |    |

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

**\*\*Acid Preserved Samples:** pH ≤ 2.0? Yes X No        NA        Init: **ABS**

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

Coolers Unpacked/Checked by: **ABS** Date: 12/28/2018 NCRs (Y/N)?       

Event ID: Puzzle + D&B / Asher NCR #         
CEN-DIST-2018-12-28-01 (SMP)

## 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_03_2018           |
| pH Paper 0.0 – 3.0 Lot #   |                       |
| pH Paper 0 – 13 Lot #      | 215517 EXP:06/01/2020 |
| Chlorine Test Strips Lot # | 7226 EXP:2020/07      |

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

Puzzle + D&amp;B / Asher

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By:

Mike Linger

Project ID: SMP

Collected By: Mike Linger / Lawrence Drannan

Sampling Agency:

FOEP CE-Roc

|              |                                                                                                  |                                                                                   |                                                                           |                                                               |                                                            |                                                                 |                                      |
|--------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------|
| Location     | WIN ID / Field ID →                                                                              |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 12/27/18 Time 1136    | Eastern<br>Central                                         | Composite end<br>Date Time                                      | Bottle Group(s)<br>(See pg 2)        |
| Field ID     | SJR @ Hatbill Park<br>boat ramp<br>(2964B1)                                                      | G3CE0010                                                                          |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)<br>SC = 3694            | Diss. Oxygen<br>8.54                                       | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)        |
| WIN/S        |                                                                                                  |                                                                                   |                                                                           | Temp (C)<br>18.46                                             | pH<br>7.45                                                 | Sample Depth<br>0.3                                             | Sp. Conductance<br>(umho/cm)<br>3694 |
| Latitude     |                                                                                                  |                                                                                   | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                                | Comments<br>E coli sent to contract lab                    |                                                                 |                                      |
| Location     | Field ID → G3CE0010_DUP<br>WIN → G3CE0010<br>Location → SJR @ Hatbill Park<br>boat ramp (2964B1) |                                                                                   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 12/27/18 Time 1139    | Eastern<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/S        |                                                                                                  |                                                                                   |                                                                           | Temp (C)                                                      | pH                                                         | Sample Depth                                                    | Sp. Conductance<br>(umho/cm)         |
| Latitude     |                                                                                                  |                                                                                   | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                                | Comments<br>Replicate Sample / E coli sent to contract lab |                                                                 |                                      |
| Location     | Field ID: Blank_12202018                                                                         |                                                                                   | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date 12/27/18 Time 1145    | Eastern<br>Central                                         | Composite end<br>Date Time                                      | Bottle Group(s)                      |
| Field ID     |                                                                                                  |                                                                                   |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)<br>DI H2O - Field Blank | Diss. Oxygen                                               | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)        |
| WIN/S        |                                                                                                  |                                                                                   |                                                                           | Temp (C)                                                      | pH                                                         | Sample Depth                                                    | Sp. Conductance<br>(umho/cm)         |
| Latitude     |                                                                                                  |                                                                                   | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                                | Comments<br>Field Blank                                    |                                                                 |                                      |
| Location     |                                                                                                  |                                                                                   | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time                  | Eastern<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 (C)                                                      | pH                                                         | Sample Depth                                                    | Sp. Conductance<br>(umho/cm)         |
| Latitude     |                                                                                                  | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                                | Comments                                                   |                                                                 |                                      |

|                         |                            |                          |                                 |                                                                                                       |                            |
|-------------------------|----------------------------|--------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------|
| Relinquished By:<br>MKL | Date/Time<br>12/27/18 1600 | Shipping Method<br>FedEx | Number of Coolers Shipped:<br>1 | Received By:<br> | Date/Time<br>12-28-18 1940 |
|-------------------------|----------------------------|--------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------|

|                                                                                    |                             |                 |                                            |                                     |                        |
|------------------------------------------------------------------------------------|-----------------------------|-----------------|--------------------------------------------|-------------------------------------|------------------------|
| 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: P-250ML-WI-THI | # of Bottles: 1 | Preservative: ICE                          | Enter Number of Bottles Sent to Lab | 1 sent to contract lab |
| CD-ERD-EC                                                                          |                             |                 |                                            |                                     |                        |
| 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-500ML        | # of Bottles: 1 | Preservative: HNO3                         | Enter Number of Bottles Sent to Lab | 1                      |
| W-ICP<br>W-ICPMS                                                                   |                             |                 | HNO3<br>LOT# NA8067020<br>EXP: 03/08/2019  |                                     |                        |
| 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                                    |                             |                 | H2SO4<br>LOT# SA8274050<br>EXP: 10/01/2019 |                                     |                        |
| Group: A                                                                           | Bottle Type: P-125ML        | # of Bottles: 1 | Preservative: FILTER-ICE                   | Enter Number of Bottles Sent to Lab | 1                      |
| W-PO4-F                                                                            |                             |                 |                                            |                                     |                        |
| Group: B                                                                           | Bottle Type: P-1L           | # of Bottles: 1 | Preservative: ICE                          | Enter Number of Bottles Sent to Lab | 1 ①<br>MKL             |
| ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |                             |                 |                                            |                                     |                        |

|          |                                                                                                         |                 |                                                                           |                                                                        |
|----------|---------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------|------------------------------------------------------------------------|
| Group: B | Bottle Type: P-250ML-WI-THI<br>CD-ERD-EC                                                                | # of Bottles: 1 | Preservative: ICE                                                         | Enter Number of Bottles Sent to Lab <u>1 sent to contract lab</u><br>① |
| Group: B | Bottle Type: BP-1L<br>CHLSUITE-W                                                                        | # of Bottles: 1 | Preservative: ICE                                                         | Enter Number of Bottles Sent to Lab <u>X ①</u>                         |
| Group: B | Bottle Type: P-500ML<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                 | # of Bottles: 1 | Preservative: ICE And H2SO4                                               | Enter Number of Bottles Sent to Lab <u>X ①</u>                         |
| Group: B | Bottle Type: P-125ML<br>W-PO4-F                                                                         | # of Bottles: 1 | Preservative: FILTER-ICE                                                  | Enter Number of Bottles Sent to Lab <u>①</u>                           |
| Group: C | Bottle Type: P-1L<br>ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS | # of Bottles: 1 | Preservative: ICE                                                         | Enter Number of Bottles Sent to Lab <u>1</u>                           |
| Group: C | Bottle Type: P-250ML-WI-THI<br>CD-ERD-EC                                                                | # of Bottles: 1 | Preservative: ICE                                                         | Enter Number of Bottles Sent to Lab <u>1 sent to contract lab</u>      |
| Group: C | Bottle Type: P-500ML<br>W-ICP<br>W-ICPMS                                                                | # of Bottles: 1 | Preservative: HNO3<br>HNO3<br>LOT# NA8067020<br>EXP: 03/08/2019           | Enter Number of Bottles Sent to Lab <u>1</u>                           |
| Group: C | Bottle Type: P-500ML<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                 | # of Bottles: 1 | Preservative: ICE And H2SO4<br>H2SO4<br>LOT# SA8274050<br>EXP: 10/01/2019 | Enter Number of Bottles Sent to Lab <u>1</u>                           |
| Group: C | Bottle Type: P-125ML                                                                                    | # of Bottles: 1 | Preservative: FILTER-ICE                                                  | Enter Number of Bottles Sent to Lab <u>1</u>                           |

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

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W-PO4-F

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|          |              |      |                 |                   |                                     |   |
|----------|--------------|------|-----------------|-------------------|-------------------------------------|---|
| Group: D | Bottle Type: | P-1L | # of Bottles: 1 | Preservative: ICE | Enter Number of Bottles Sent to Lab | 1 |
|----------|--------------|------|-----------------|-------------------|-------------------------------------|---|

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ALKALINITY  
TURBIDITY  
W-CL-IC  
W-COLOR  
W-F  
W-SO4-IC  
W-TDS  
W-TSS

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

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W-ICP  
W-ICPMS

HNO3  
LOT# NA8067020  
EXP: 03/08/2019

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|          |              |         |                 |                             |                                     |   |
|----------|--------------|---------|-----------------|-----------------------------|-------------------------------------|---|
| Group: D | Bottle Type: | P-500ML | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|----------|--------------|---------|-----------------|-----------------------------|-------------------------------------|---|

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W-NH3  
W-NO2NO3  
W-S-A-TP  
W-TKN  
W-TOC

H2SO4  
LOT# SA8274050  
EXP: 10/01/2019

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

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W-PO4-F



Date of Request: 29-NOV-2018  
 Created By: LINGER\_M On: 29-NOV-2018  
 Modified By: JASROTIA\_P On: 30-NOV-2018  
 Customer: CEN-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central District  
 Sampling Event: Puzzle + D&B / Asher

**Send Coolers To:**

Phone: 407-897-4180  
 FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Mike Linger

Program Module Number: 1306  
 Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 30-NOV-2018  
 Biology Request Reviewed By: JASROTIA\_P On: 30-NOV-2018  
 Sampling Kit Required: YES Ship on: 07-DEC-2018  
 Sampling Kit Shipped: YES On: 14-DEC-2018  
 Sampling Kit Packed By: BOWDEN\_M  
 Preservatives Needed: NO  
 Date to Receive Samples: 17-DEC-2018  
 Received By: SHAIK\_A On: 28-DEC-2018

**Send Final Report To:**

FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Mike Linger

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

Comments: A: Puzzle  
 B: Asher  
 C: DUP  
 D: Blank

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

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 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-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CD-ERD-EC                   | Template: DEFAULT    | (EPA 1603) Escherichia coli by membrane filter method by ERD Laboratory                                                                        |
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-500ML        | Number of Bottles: 1 | Preserved With: 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 1 Samples:**

|                      |                      |                                                                                                                             |
|----------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | 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: 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      |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| 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-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      |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| 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-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                     |
| CD-ERD-EC                   | Template: DEFAULT    | (EPA 1603) Escherichia coli by membrane filter method by ERD Laboratory |

|                    |                      |                                                                                                              |
|--------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| 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 Group C (Water) With 1 Samples:**

|                   |                      |                                                                                                      |
|-------------------|----------------------|------------------------------------------------------------------------------------------------------|
| 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-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                     |
| CD-ERD-EC                   | Template: DEFAULT    | (EPA 1603) Escherichia coli by membrane filter method by ERD Laboratory |

|                      |                      |                      |
|----------------------|----------------------|----------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO3 |
|----------------------|----------------------|----------------------|

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

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

|                   |                      |                                                                                                      |
|-------------------|----------------------|------------------------------------------------------------------------------------------------------|
| 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 |

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

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                            |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                         |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-00) 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 |

SHIP DATE: 14DEC18  
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CAD: 0446970/CAFE3211

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**FLORIDA DEP/CHEMISTRY SECTION  
2600 BLAIRSTONE RD**

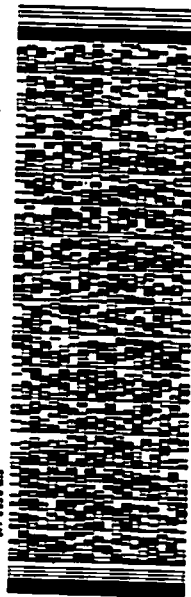
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## References