

# Log-in Checklist

RQ- 7018-02-05-68

Shipping Method: fed Ex

Date/Time of Receipt: 2/6/18 9:50

| Cooler ID | Cooler Temperature* | No. Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking # (fill out only if waybill copy is damaged) |
|-----------|---------------------|---------------------------------|---------------|----|----------|----|-------------------------------------------------------|
|           |                     |                                 | Present?      |    | *Intact? |    |                                                       |
|           |                     |                                 | Yes           | No | Yes      | No |                                                       |
| Red       | 3.3                 | 12 15                           |               | 6  |          |    |                                                       |
| Red       | 0.4                 | 13                              |               | 6  |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |

\*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       

## CONTAINER CHECK

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

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

\*\*Sufficient Sample Volume: Yes ✓ No       

## CHLORINE CHECK (Blue dot on container)

| 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-AHERB-AA (-AHB-AA-R)                                                                               |     |    | W-PCL-SQ (-R) |     |    |  |
| W-BNA (-625, -R)                                                                                     |     |    | W-PDQUAT      |     |    |  |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |    | W-PESTNP-R    |     |    |  |
| W-ENDO-AA                                                                                            |     |    | W-PSCL-TQ     |     |    |  |
| W-GLYPH                                                                                              |     |    | W-PSNP-TQ     |     |    |  |
| W-NP-AA-SF                                                                                           |     |    | W-PST-CL-R    |     |    |  |
| W-PAH (-R)                                                                                           |     |    | W-TR-TQ       |     |    |  |
| W-PCB-R                                                                                              |     |    | W-CT-CI-R     |     |    |  |

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

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

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

Coolers Unpacked/Checked by: SR Date: 2-6-18

NCRs (Y/N)? NO

Event ID: CEN-DIST-2018-02-06-02

NCR #

## 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 |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

## ENCORE SAMPLES

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

Were Encore samples received? Yes ☐ No ☒

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

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

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

**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: \_\_\_\_\_

**Additional Comments:**

Mirror / Felter / Tilden X4

## Central Laboratory Submittal Form

last revised Jan 3, 2018

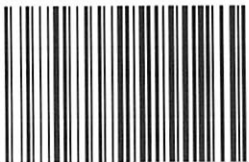
Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By: Kate Williams

Project ID: SMP

Collected By: Leif BomanSampling Agency: 21FCEN

|              |                                                             |                                                                                     |                                                                           |                                                                        |                                                                            |                                        |                               |
|--------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------|-------------------------------|
| Location     | WIN ID / Field ID →                                         |    | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>2/5/18</u> Time <u>1105</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)<br>(See pg 2) |
| Field ID     | Mirror Lake @ Center of North Lobe (2868A)                  | G1CE0041                                                                            | Matrix (type, e.g., Salt, Fresh, etc.)                                    | Diss. Oxygen<br><u>10.96</u>                                           | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) _____    | B                             |
| WIN/STORET # |                                                             |                                                                                     | Temp (C) <u>17.40</u>                                                     | pH <u>7.23</u>                                                         | Sample Depth <u>0.3</u>                                                    | Sp. Conductance (umho/cm) <u>153</u>   |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                           | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>0.07</u>                                             | Comments                                                                   |                                        |                               |
| Location     | WIN ID / Field ID →                                         |    | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>2/5/18</u> Time <u>1155</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |
| Field ID     | Lake Felter @ Center (2868B)                                | G1CE0042                                                                            | Matrix (type, e.g., Salt, Fresh, etc.)                                    | Diss. Oxygen<br><u>9.30</u>                                            | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) _____    | B                             |
| WIN/STORET # |                                                             |                                                                                     | Temp (C) <u>17.06</u>                                                     | pH <u>6.73</u>                                                         | Sample Depth <u>0.3</u>                                                    | Sp. Conductance (umho/cm) <u>127</u>   |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                           | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>0.06</u>                                             | Comments                                                                   |                                        |                               |
| Location     | WIN ID / Field ID →                                         |    | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>2/5/18</u> Time <u>1308</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |
| Field ID     | Lake Tilden @ 140m NW of Center (2875B)                     | G1CE0087                                                                            | Matrix (type, e.g., Salt, Fresh, etc.)                                    | Diss. Oxygen<br><u>8.88</u>                                            | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) _____    | A                             |
| WIN/STORET # |                                                             |                                                                                     | Temp (C) <u>18.12</u>                                                     | pH <u>6.94</u>                                                         | Sample Depth <u>0.3</u>                                                    | Sp. Conductance (umho/cm) <u>213</u>   |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                           | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>0.10</u>                                             | Comments                                                                   |                                        |                               |
| Location     | WIN ID / Field ID →                                         |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>2/5/18</u> Time <u>1315</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |
| Field ID     | Lake Tilden @ 165m NE of Center (2875B)                     | G1CE0088                                                                            | Matrix (type, e.g., Salt, Fresh, etc.)                                    | Diss. Oxygen<br><u>9.02</u>                                            | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) _____    | A                             |
| WIN/STORET # |                                                             |                                                                                     | Temp (C) <u>17.60</u>                                                     | pH <u>6.97</u>                                                         | Sample Depth <u>0.3</u>                                                    | Sp. Conductance (umho/cm) <u>212</u>   |                               |
| Latitude     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                           | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>0.10</u>                                             | Comments                                                                   |                                        |                               |

|                                    |                               |                               |                                     |                        |                               |
|------------------------------------|-------------------------------|-------------------------------|-------------------------------------|------------------------|-------------------------------|
| Relinquished By: <u>K Williams</u> | Date/Time: <u>2/5/18 1600</u> | Shipping Method: <u>FedEx</u> | Number of Coolers Shipped: <u>2</u> | Received By: <u>SR</u> | Date/Time: <u>2/6/18/9150</u> |
|------------------------------------|-------------------------------|-------------------------------|-------------------------------------|------------------------|-------------------------------|

|          |              |                |                 |               |               |                                     |            |
|----------|--------------|----------------|-----------------|---------------|---------------|-------------------------------------|------------|
| Group: A | Bottle Type: | P-1L           | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4          |
|          | ALKALINITY   |                |                 |               |               |                                     |            |
|          | TURBIDITY    |                |                 |               |               |                                     |            |
|          | W-CL-IC      |                |                 |               |               |                                     |            |
|          | W-COLOR      |                |                 |               |               |                                     |            |
|          | W-F          |                |                 |               |               |                                     |            |
|          | W-SO4-IC     |                |                 |               |               |                                     |            |
|          | W-TDS        |                |                 |               |               |                                     |            |
|          | W-TSS        |                |                 |               |               |                                     |            |
| Group: A | Bottle Type: | P-250ML-WI-THI | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4          |
|          | CD-FLR-ECQ   |                |                 |               |               |                                     | to Flowers |
| Group: A | Bottle Type: | BP-1L          | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4          |
|          | CHLSUITE-W   |                |                 |               |               |                                     |            |
| Group: A | Bottle Type: | P-500ML        | # of Bottles: 4 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 4          |
|          | W-ICP        |                |                 |               |               |                                     |            |
|          | W-ICPMS      |                |                 |               |               |                                     |            |
| Group: A | Bottle Type: | P-500ML        | # of Bottles: 4 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 4          |
|          | 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 | 4          |
|          | W-PO4-F      |                |                 |               |               |                                     |            |
| Group: B | Bottle Type: | P-1L           | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2          |
|          | ALKALINITY   |                |                 |               |               |                                     |            |
|          | TURBIDITY    |                |                 |               |               |                                     |            |
|          | W-CL-IC      |                |                 |               |               |                                     |            |
|          | W-COLOR      |                |                 |               |               |                                     |            |
|          | W-F          |                |                 |               |               |                                     |            |
|          | W-SO4-IC     |                |                 |               |               |                                     |            |
|          | W-TDS        |                |                 |               |               |                                     |            |
|          | W-TSS        |                |                 |               |               |                                     |            |

Group: B      Bottle Type: P-250ML-WI-THI      # of Bottles: 2      Preservative: ICE      Enter Number of Bottles Sent to Lab 2 to Flowers  
CD-FLR-ECQ

Group: B      Bottle Type: BP-1L      # of Bottles: 2      Preservative: ICE      Enter Number of Bottles Sent to Lab 2  
CHLSUITE-W

Group: B      Bottle Type: P-500ML      # of Bottles: 2      Preservative: ICE And H2SO4      Enter Number of Bottles Sent to Lab 2  
W-NH3  
W-NO2NO3  
W-S-A-TP  
W-TKN  
W-TOC

Group: B      Bottle Type: P-125ML      # of Bottles: 2      Preservative: FILTER-ICE      Enter Number of Bottles Sent to Lab 2  
W-PO4-F

Mirror / Felter / Tilden X4

## Central Laboratory Submittal Form

last revised Jan 3, 2018

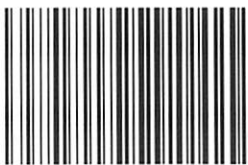
Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By: Kate Williams

Project ID: SMP

Collected By: Leif BomanSampling Agency: 21 FLEN

|             |                                                             |                                                                                   |                                                                           |                                                                        |                                                                            |                                        |                               |  |
|-------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------|-------------------------------|--|
| Location    | WIN ID / Field ID →                                         |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>2/5/18</u> Time <u>1330</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)<br>(See pg 2) |  |
| Field ID    | Lake Tilden @ 150m<br>SE of Center (2875B)                  |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)                                     | Diss. Oxygen<br><u>9.27</u>                                            | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) _____    | A                             |  |
| WIN/STORE   |                                                             |                                                                                   | Temp (C) <u>18.22</u>                                                     | pH <u>7.05</u>                                                         | Sample Depth <u>0.3</u>                                                    | Sp. Conductance (umho/cm) <u>212</u>   |                               |  |
| Latitude    | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>0.10</u>                                             | Comments                                                                   |                                        |                               |  |
| Location    | WIN ID / Field ID →                                         |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>2/5/18</u> Time <u>1335</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |  |
| Field ID    | Lake Tilden @ 225m<br>S of Center (2875B)                   |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)                                     | Diss. Oxygen<br><u>9.08</u>                                            | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) _____    | A                             |  |
| WIN/STORE   |                                                             |                                                                                   | Temp (C) <u>18.75</u>                                                     | pH <u>7.02</u>                                                         | Sample Depth <u>0.3</u>                                                    | Sp. Conductance (umho/cm) <u>212</u>   |                               |  |
| Latitude    | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt) <u>0.10</u>                                             | Comments                                                                   |                                        |                               |  |
| Location    |                                                             |                                                                                   | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date _____ Time _____               | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |  |
| Field ID    |                                                             |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)                                     | Diss. Oxygen                                                           | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L) _____    |                               |  |
| WIN/STORE # |                                                             |                                                                                   | Temp (C)                                                                  | pH                                                                     | Sample Depth                                                               | Sp. Conductance (umho/cm)              |                               |  |
| Latitude    | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                                         | Comments                                                                   |                                        |                               |  |
| Location    |                                                             |                                                                                   | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date _____ Time _____               | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |  |
| Field ID    |                                                             |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)                                     | Diss. Oxygen                                                           | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L) _____    |                               |  |
| WIN/STORE # |                                                             |                                                                                   | Temp (C)                                                                  | pH                                                                     | Sample Depth                                                               | Sp. Conductance (umho/cm)              |                               |  |
| Latitude    | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                                         | Comments                                                                   |                                        |                               |  |

|                                       |                               |                               |                                     |                        |                               |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------------|------------------------|-------------------------------|
| Relinquished By: <u>Kate Williams</u> | Date/Time: <u>2/5/18 1600</u> | Shipping Method: <u>FedEx</u> | Number of Coolers Shipped: <u>2</u> | Received By: <u>SR</u> | Date/Time: <u>2.6.18 4:50</u> |
|---------------------------------------|-------------------------------|-------------------------------|-------------------------------------|------------------------|-------------------------------|

|          |              |                |                 |               |               |                                     |              |
|----------|--------------|----------------|-----------------|---------------|---------------|-------------------------------------|--------------|
| Group: A | Bottle Type: | P-1L           | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4            |
|          | ALKALINITY   |                |                 |               |               |                                     |              |
|          | TURBIDITY    |                |                 |               |               |                                     |              |
|          | W-CL-IC      |                |                 |               |               |                                     |              |
|          | W-COLOR      |                |                 |               |               |                                     |              |
|          | W-F          |                |                 |               |               |                                     |              |
|          | W-SO4-IC     |                |                 |               |               |                                     |              |
|          | W-TDS        |                |                 |               |               |                                     |              |
|          | W-TSS        |                |                 |               |               |                                     |              |
| Group: A | Bottle Type: | P-250ML-WI-THI | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4 to Flowers |
|          | CD-FLR-ECQ   |                |                 |               |               |                                     |              |
| Group: A | Bottle Type: | BP-1L          | # of Bottles: 4 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 4            |
|          | CHLSUITE-W   |                |                 |               |               |                                     |              |
| Group: A | Bottle Type: | P-500ML        | # of Bottles: 4 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 4            |
|          | W-ICP        |                |                 |               |               |                                     |              |
|          | W-ICPMS      |                |                 |               |               |                                     |              |
| Group: A | Bottle Type: | P-500ML        | # of Bottles: 4 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 4            |
|          | 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 | 4            |
|          | W-PO4-F      |                |                 |               |               |                                     |              |
| Group: B | Bottle Type: | P-1L           | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 5            |
|          | ALKALINITY   |                |                 |               |               |                                     |              |
|          | TURBIDITY    |                |                 |               |               |                                     |              |
|          | W-CL-IC      |                |                 |               |               |                                     |              |
|          | W-COLOR      |                |                 |               |               |                                     |              |
|          | W-F          |                |                 |               |               |                                     |              |
|          | W-SO4-IC     |                |                 |               |               |                                     |              |
|          | W-TDS        |                |                 |               |               |                                     |              |
|          | W-TSS        |                |                 |               |               |                                     |              |

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|          |                             |                 |                   |                                     |                   |
|----------|-----------------------------|-----------------|-------------------|-------------------------------------|-------------------|
| Group: B | Bottle Type: P-250ML-WI-THI | # of Bottles: 2 | Preservative: ICE | Enter Number of Bottles Sent to Lab | <u>2 to Flowm</u> |
|----------|-----------------------------|-----------------|-------------------|-------------------------------------|-------------------|

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CD-FLR-ECQ

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|          |                    |                 |                   |                                     |          |
|----------|--------------------|-----------------|-------------------|-------------------------------------|----------|
| Group: B | Bottle Type: BP-1L | # of Bottles: 2 | Preservative: ICE | Enter Number of Bottles Sent to Lab | <u>2</u> |
|----------|--------------------|-----------------|-------------------|-------------------------------------|----------|

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CHLSUITE-W

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|          |                      |                 |                             |                                     |          |
|----------|----------------------|-----------------|-----------------------------|-------------------------------------|----------|
| Group: B | Bottle Type: P-500ML | # of Bottles: 2 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | <u>2</u> |
|----------|----------------------|-----------------|-----------------------------|-------------------------------------|----------|

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

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|          |                      |                 |                          |                                     |          |
|----------|----------------------|-----------------|--------------------------|-------------------------------------|----------|
| Group: B | Bottle Type: P-125ML | # of Bottles: 2 | Preservative: FILTER-ICE | Enter Number of Bottles Sent to Lab | <u>2</u> |
|----------|----------------------|-----------------|--------------------------|-------------------------------------|----------|

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W-PO4-F



# CONTRACT LAB - CHAIN OF CUSTODY

Client Name: Department of Environmental Protection  
Address: 3319 Maguire Blvd Suite 232, Orlando, FL 32803  
Project Manager: Natalie Ayala / Michael Linger / Kalina Warren  
E-Mail: Michael.Linger@dep.state.fl.us  
Telephone Number: (407) 897-4100

Project Name: SMP

Project Number: RQ-2018-02-05-68

Site Location: Lakes Tilden, Mirror, Feltan

Contract/PO # Flowers Lab - B16975

Sampler Names: Katie Williams

Signature: K Williams

| FIELD ID | Lab No.<br>(Lab Use Only) | Date   | Time Sampled | No. of Containers | Grab | Composite | Preservative |     |      |      | Matrix      |            |                |               | Analyze For:           |                   |                     |
|----------|---------------------------|--------|--------------|-------------------|------|-----------|--------------|-----|------|------|-------------|------------|----------------|---------------|------------------------|-------------------|---------------------|
|          |                           |        |              |                   |      |           | ICE          | HCL | HNO3 | NONE | Groundwater | Wastewater | Drinking Water | Surface Water | Escherichia Coli (ECQ) | Enterococci (ENQ) | Fecal Coliform (FC) |
| GICE0041 |                           | 2/5/18 | 1105         | 1                 | X    |           | X            |     |      |      |             |            |                | X             | X                      |                   |                     |
| GICE0042 |                           | 2/5/18 | 1155         | 1                 | X    |           | X            |     |      |      |             |            |                | X             | X                      |                   |                     |
| GICE0087 |                           | 2/5/18 | 1308         | 1                 | X    |           | X            |     |      |      |             |            |                | X             | X                      |                   |                     |
| GICE0088 |                           | 2/5/18 | 1315         | 1                 | X    |           | X            |     |      |      |             |            |                | X             | X                      |                   |                     |
| GICE0089 |                           | 2/5/18 | 1330         | 1                 | X    |           | X            |     |      |      |             |            |                | X             | X                      |                   |                     |
| GICE0090 |                           | 2/5/18 | 1335         | 1                 | X    |           | X            |     |      |      |             |            |                | X             | X                      |                   |                     |
|          |                           |        |              |                   |      |           |              |     |      |      |             |            |                |               |                        |                   |                     |
|          |                           |        |              |                   |      |           |              |     |      |      |             |            |                |               |                        |                   |                     |

## Special Instructions:

Samples are ambient water and not suspected to contain chlorine

| Relinquished by:  | Date   | Time | Received by: | Date | Time  | Comments                  |
|-------------------|--------|------|--------------|------|-------|---------------------------|
| <u>K Williams</u> | 2/5/18 | 1440 | <u>MM</u>    | 2/5  | 14:40 | Temp Upon Receipt: 3°C    |
|                   | Date   | Time | Received by: | Date | Time  | Sample Containers Intact? |
|                   |        |      |              |      |       | <u>Y</u><br>N             |

Date of Request: 18-JAN-2018  
 Created By: LINGER\_M On: 18-JAN-2018  
 Modified By: SWANSON\_C On: 22-JAN-2018  
 Customer: CEN-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central District  
 Sampling Event: Mirror / Felter / Tilden X4

**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: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 19-JAN-2018  
 Biology Request Reviewed By: SWANSON\_C On: 22-JAN-2018  
 Sampling Kit Required: YES Ship on: 26-JAN-2018  
 Sampling Kit Shipped: YES On: 25-JAN-2018  
 Sampling Kit Packed By: REAVES\_S  
 Preservatives Needed: NO  
 Date to Receive Samples: 05-FEB-2018  
 Received By:

**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: Tilden X4  
 B: Mirror / Felter

**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 CaCO <sub>3</sub> /L                                                                       |
| TURBIDITY               | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-CL-IC                 | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-COLOR                 | Template: DEFAULT    | (SM 2120 B) 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-SO <sub>4</sub> -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                                                                                      |
| Bottle Type: CD-FLR-ECQ | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
|                         | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by FlowersOverflow Laboratory for Central District                    |
| Bottle Type: BP-1L      | Number of Bottles: 4 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W              | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-500ML    | Number of Bottles: 4 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| 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                 |                      |                                                                                                                                                |
| Chromium                |                      |                                                                                                                                                |
| Iron                    |                      |                                                                                                                                                |
| Magnesium               |                      |                                                                                                                                                |
| Nickel                  |                      |                                                                                                                                                |
| Potassium               |                      |                                                                                                                                                |
| Sodium                  |                      |                                                                                                                                                |

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Arsenic              |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| 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 2 Samples:**

|                      |                      |                                                                                                                             |
|----------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: ICE And H2SO4                                                                                               |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                  |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                          |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                         |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                            |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                              |
| Bottle Type: P-125ML | Number of Bottles: 2 | Preserved With: FILTER-ICE                                                                                                  |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                    |
| Bottle Type: P-1L    | Number of Bottles: 2 | 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                                                                   |
| Bottle Type:         | Number of Bottles: 2 | Preserved With: ICE                                                                                                         |
| CD-FLR-ECQ           | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by FlowersOverflow Laboratory for Central District |
| Bottle Type: BP-1L   | Number of Bottles: 2 | Preserved With: ICE                                                                                                         |
| CHLSUITE-W           | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                |

ORIGIN ID: ORLA (407) 894-7555  
MIKE LINGER  
FL DEP CENTRAL DISTRICT  
3319 MAGUIRE BLVD STE 232  
ORLANDO, FL 32803  
UNITED STATES US

SHIP DATE: 25JAN18  
ACTWGT: 20.00 LB  
CAD: 100182096/NET3980

TO **AMZAD SHAIK**  
**FL DEP**  
**FL DEP CHEMISTRY SECTION**  
**2600 BLAIR STONE RD**  
**TALLAHASSEE FL 32399**

(850) 245-8085

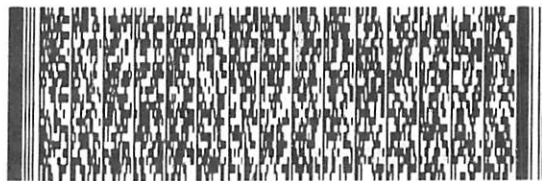
REF:

INV:

PO:

DEPT:

RMA:



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**TUE - 06 FEB 10:30A**  
**PRIORITY OVERNIGHT**

**32399**  
FL-US  
**TLH**



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