

RQ- 2019-03-18-14

# Log-in Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 3-22-19/9:50

| Cooler Temperature* | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking # (fill out only if waybill copy is damaged) |
|---------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|-------------------------------------------------------|
|                     |                                        |          |                                       | Present?      |    | *Intact? |    |                                                       |
|                     | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                                                       |
| 2.9<br>2.4          |                                        |          | 10<br>14                              |               | ✓  |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |

\* 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 ☒ No ☒

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

## CONTAINER CHECK

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

\*\*Caps on tight? Yes ☒ No ☐ \*\*Containers intact? Yes ☒ No ☐

\*\*Sufficient Sample Volume: Yes ☒ No ☐

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

| 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                                                                                           |     | <input checked="" type="checkbox"/> | 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 ☒ 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: 3-22-19 NCRs (Y/N)? N

Event ID: Nassau North  
NE-DIST-2019-03-22-03 (SMP) 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 |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

### Additional Comments:

|                            |                        |
|----------------------------|------------------------|
| Infrared Thermometer ID:   | REC_02_2018EXP:4/27/19 |
| pH Paper 0.0 – 3.0 Lot #   |                        |
| pH Paper 0 – 13 Lot #      | 222516 EXP:08-15-19    |
| Chlorine Test Strips Lot # | 8261 EXP: 07/2021      |

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

Nassau North

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By: B. P.

Project ID: SMP

Collected By: B. Davis, J. PenickSampling Agency: DEAR MED

|      |                                                                                                                                      |                                                                           |                                                                         |                                                                            |                                        |                               |
|------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------|-------------------------------|
| Loc  | WIN ID/Field ID: <br>G4NE0288                       | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>3/21/19</u> Time <u>945</u>  | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)<br>(See pg 2) |
| File | Unnamed Branch above Alligator cr.                                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     | Diss. Oxygen<br><u>5.8</u>                                              | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)          | <u>A</u>                      |
| WI   | Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Temp (C) <u>14.0</u>                                                      | pH <u>7.40</u>                                                          | Sample Depth <u>0.3</u>                                                    | Sp. Conductance (umho/cm) <u>382</u>   |                               |
| L    | WIN ID/Field ID: <br>G4NE0292                       | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>3/21/19</u> Time <u>1040</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |
| F    | Creek draining former Hampton lake<br>100m above rd                                                                                  | Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     | Diss. Oxygen<br><u>9.5</u>                                              | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)          | <u>B</u>                      |
| V    | Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Temp (C) <u>13.2</u>                                                      | pH <u>6.71</u>                                                          | Sample Depth <u>0.3</u>                                                    | Sp. Conductance (umho/cm) <u>60</u>    |                               |
| L    | WIN ID/Field ID: <br>19020048                       | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>3/21/19</u> Time <u>1115</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |
| F    | MILLS CREEK AT US 301/US1                                                                                                            | Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     | Diss. Oxygen<br><u>6.06</u>                                             | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)          | <u>A</u>                      |
| V    | Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Temp (C) <u>13.7</u>                                                      | pH <u>5.87</u>                                                          | Sample Depth <u>0.1</u>                                                    | Sp. Conductance (umho/cm) <u>79</u>    |                               |
| L    | WIN ID/Field ID: <br>19020003                     | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>3/21/19</u> Time <u>1210</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |
| F    | LOFTON CR @ A1A                                                                                                                      | Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     | Diss. Oxygen<br><u>4.0</u>                                              | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)          | <u>B</u>                      |
| V    | Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Temp (C) <u>15.7</u>                                                      | pH <u>6.31</u>                                                          | Sample Depth <u>0.3</u>                                                    | Sp. Conductance (umho/cm) <u>182</u>   |                               |
| L    | WIN ID/Field ID: <br>19020003                     | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>3/21/19</u> Time <u>1210</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____ | Bottle Group(s)               |
| F    | LOFTON CR @ A1A                                                                                                                      | Matrix (type, e.g., Salt, Fresh, etc)<br><u>Fresh</u>                     | Diss. Oxygen<br><u>4.0</u>                                              | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)          | <u>B</u>                      |
| V    | Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Temp (C) <u>15.7</u>                                                      | pH <u>6.31</u>                                                          | Sample Depth <u>0.3</u>                                                    | Sp. Conductance (umho/cm) <u>182</u>   |                               |

|                               |                                |                               |                                     |                        |                                |
|-------------------------------|--------------------------------|-------------------------------|-------------------------------------|------------------------|--------------------------------|
| Relinquished By: <u>B. P.</u> | Date/Time: <u>3/21/19 1630</u> | Shipping Method: <u>FedEx</u> | Number of Coolers Shipped: <u>2</u> | Received By: <u>SR</u> | Date/Time: <u>3/22/19/9:50</u> |
|-------------------------------|--------------------------------|-------------------------------|-------------------------------------|------------------------|--------------------------------|

|          |              |                |                 |               |               |                                     |   |
|----------|--------------|----------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | 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: A | Bottle Type: | BP-1L          | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | CHLSUITE-W   |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-250ML-WI-THI | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | NE-ALS-ECQ   |                |                 |               |               |                                     |   |
| Group: A | Bottle Type: | P-500ML        | # of Bottles: 2 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 2 |
|          | W-ICP        |                |                 |               |               |                                     |   |
|          | W-ICPMS      |                |                 |               |               |                                     |   |
| Group: A | 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: A | Bottle Type: | P-125ML        | # of Bottles: 2 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 2 |
|          | 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        |                |                 |               |               |                                     |   |

Nassau North

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By: \_\_\_\_\_

Project ID: SMP

Collected By: \_\_\_\_\_

Sampling Agency: \_\_\_\_\_

|                         |                                                             |                                                                                   |                                                                           |                                                                         |                                                                            |                                                                      |                                            |  |
|-------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------|--|
| L<br>F<br>V<br>Latitude | WIN ID/Field ID:                                            |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date <u>3/21/19</u> Time <u>1315</u> | <u>Eastern</u><br>Central                                                  | Composite end<br>Date _____ Time _____                               | Bottle<br>Group(s)<br>(See pg 2)<br><br>C  |  |
|                         | Egans Creek at N. 14th                                      |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)<br><u>Se/H</u>                      | Diss. Oxygen<br><u>7.2</u>                                              | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)                                        |                                            |  |
|                         |                                                             |                                                                                   | Temp<br>(C) <u>17.4</u>                                                   | pH <u>7.50</u>                                                          | Sample<br>Depth <u>0.3</u>                                                 | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m | Sp. Conductance<br>(umho/cm) <u>42,713</u> |  |
|                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(ppt) <u>27.5</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<br>Group(s)                         |  |
| Field ID                |                                                             |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                                         | Diss. Oxygen                                                               | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)              |  |
| WIN/STORET #            |                                                             |                                                                                   | Temp<br>(C)                                                               | pH                                                                      | Sample<br>Depth                                                            | <input type="checkbox"/> ft<br><input type="checkbox"/> m            | Sp. Conductance<br>(umho/cm)               |  |
| Latitude                | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(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<br>Group(s)                         |  |
| Field ID                |                                                             |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                                         | Diss. Oxygen                                                               | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)              |  |
| WIN/STORET #            |                                                             |                                                                                   | Temp<br>(C)                                                               | pH                                                                      | Sample<br>Depth                                                            | <input type="checkbox"/> ft<br><input type="checkbox"/> m            | Sp. Conductance<br>(umho/cm)               |  |
| Latitude                | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(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<br>Group(s)                         |  |
| Field ID                |                                                             |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                                         | Diss. Oxygen                                                               | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)              |  |
| WIN/STORET #            |                                                             |                                                                                   | Temp<br>(C)                                                               | pH                                                                      | Sample<br>Depth                                                            | <input type="checkbox"/> ft<br><input type="checkbox"/> m            | Sp. Conductance<br>(umho/cm)               |  |
| Latitude                | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(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<br>Group(s)                         |  |
| Field ID                |                                                             |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                                         | Diss. Oxygen                                                               | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat      | Total Res. Chlorine<br>(mg/L)              |  |
| WIN/STORET #            |                                                             |                                                                                   | Temp<br>(C)                                                               | pH                                                                      | Sample<br>Depth                                                            | <input type="checkbox"/> ft<br><input type="checkbox"/> m            | Sp. Conductance<br>(umho/cm)               |  |
| Latitude                | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude                                                                         | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(ppt)                                                       | Comments                                                                   |                                                                      |                                            |  |

|                  |           |                 |                            |                        |                                |
|------------------|-----------|-----------------|----------------------------|------------------------|--------------------------------|
| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By: <u>SR</u> | Date/Time: <u>3-22-19/9:50</u> |
|------------------|-----------|-----------------|----------------------------|------------------------|--------------------------------|

|          |                                                                                    |                |                 |               |               |                                           |
|----------|------------------------------------------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------------|
| Group: A | Bottle Type:                                                                       | P-1L           | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |                |                 |               |               |                                           |
| Group: A | Bottle Type:                                                                       | BP-1L          | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | CHLSUITE-W                                                                         |                |                 |               |               |                                           |
| Group: A | Bottle Type:                                                                       | P-250ML-WI-THI | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | NE-ALS-ECQ                                                                         |                |                 |               |               |                                           |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 2 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab _____ |
|          | W-ICP<br>W-ICPMS                                                                   |                |                 |               |               |                                           |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 2 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab _____ |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    |                |                 |               |               |                                           |
| Group: A | Bottle Type:                                                                       | P-125ML        | # of Bottles: 2 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab _____ |
|          | W-PO4-F                                                                            |                |                 |               |               |                                           |
| Group: B | Bottle Type:                                                                       | P-1L           | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | 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:<br>CHLSUITE-W                                                                         | BP-1L          | # of Bottles: 2 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2 |
| Group: B | Bottle Type:<br>NE-ALS-ECQ                                                                         | P-250ML-WI-THI | # of Bottles: 2 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 2 |
| Group: B | Bottle Type:<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    | P-500ML        | # of Bottles: 2 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 2 |
| Group: B | Bottle Type:<br>W-PO4-F                                                                            | P-125ML        | # of Bottles: 2 | Preservative: FILTER-ICE    | Enter Number of Bottles Sent to Lab | 2 |
| Group: C | Bottle Type:<br>ALKALINITY<br>TURBIDITY<br>W-BR-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS | P-1L           | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
| Group: C | Bottle Type:<br>CHLSUITE-W                                                                         | BP-1L          | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
| Group: C | Bottle Type:<br>NE-ALS-ENQ                                                                         | P-250ML-WI-THI | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
| Group: C | Bottle Type:<br>PCR-FILTER                                                                         | QPCR-P-500ML   | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
| Group: C | Bottle Type:<br>W-E8321-DI<br>W-E8321-MS                                                           | BG-500ML       | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 |
| Group: C | Bottle Type:<br>W-NH3                                                                              | P-500ML        | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |

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

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

---

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

W-PO4-F

[illegible]

Date of Request: 04-FEB-2019  
 Created By: PARRISH\_J On: 04-FEB-2019  
 Modified By: WATTS\_J On: 07-MAR-2019  
 Customer: NE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northeast District  
 Sampling Event: Nassau North

**Send Coolers To:**

Phone: 904-807-3300  
 8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256  
 Attn: Jeremy Parrish

Program Module Number:  
 Priority: 3  
 Event Status: A  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 07-MAR-2019  
 Biology Request Reviewed By: WATTS\_J On: 07-MAR-2019  
 Sampling Kit Required: NO Ship on:  
 Sampling Kit Shipped: YES On: 28-FEB-2019  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 18-MAR-2019  
 Received By:

**Send Final Report To:**

8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256  
 Attn: Jeremy Parrish

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

Comments: Group A: Nutrients, Metals, Bacteria  
 Group B: Nutrients, Bacteria  
 Group C: Nutrients, Bacteria, Tracer, marker  
  
 NE-ALS-ECQ  
 NE-ALS-ENCQ  
  
 Packing Notes:  
 None

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

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 2 | 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 using a maximum of 250 mL of sample                                                  |
| Bottle Type: BP-1L          | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| NE-ALS-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert Quanti-Tray method by ALS Environmental Laboratory in Jacksonville                        |
| Bottle Type: P-500ML        | Number of Bottles: 2 | 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 |
| Barium                      |                      |                                                                                                                                                |
| Calcium                     |                      |                                                                                                                                                |

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template:            | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Iron                 |                      |                                                                                                                                                |
| Magnesium            |                      |                                                                                                                                                |
| Potassium            |                      |                                                                                                                                                |
| Sodium               |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| *Boron               |                      |                                                                                                                                                |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: ICE And H2SO4                                                            |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                               |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                       |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                      |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                         |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-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 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 using a maximum of 250 mL of sample                           |
| Bottle Type: BP-1L          | Number of Bottles: 2 | Preserved With: ICE                                                                                                     |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry            |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 2 | Preserved With: ICE                                                                                                     |
| NE-ALS-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert Quanti-Tray method by ALS Environmental Laboratory in Jacksonville |

**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 |

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

|                             |                   |                                                                                                              |                               |
|-----------------------------|-------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------|
| Bottle Type: P-1L           |                   | Number of Bottles: 1                                                                                         | Preserved With: ICE           |
| TURBIDITY                   | Template: DEFAULT | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |                               |
| W-BR-IC                     | Template: DEFAULT | (EPA 300.0) Bromide in aqueous matrices                                                                      |                               |
| W-F                         | Template: DEFAULT | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)         |                               |
| W-TSS                       | Template: DEFAULT | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                |                               |
| Bottle Type: BP-1L          |                   | Number of Bottles: 1                                                                                         | Preserved With: ICE           |
| CHLSUITE-W                  | Template: DEFAULT | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |                               |
| Bottle Type: P-250ML-WI-THI |                   | Number of Bottles: 1                                                                                         | Preserved With: ICE           |
| NE-ALS-ENQ                  | Template: DEFAULT | (ASTM D650399) Enterococci by Enterolert Quanti-Tray Method by ALS Environmental Laboratory in Jacksonville  |                               |
| Bottle Type: QPCR-P-500ML   |                   | Number of Bottles: 1                                                                                         | Preserved With: ICE           |
| PCR-FILTER                  | Template: DEFAULT | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis                                |                               |
| Bottle Type: BG-500ML       |                   | Number of Bottles: 1                                                                                         | Preserved With: ICE           |
| W-E8321-DI                  | Template: DEFAULT | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                      |                               |
| W-E8321-MS                  | Template: DEFAULT | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                      |                               |
| Bottle Type: P-500ML        |                   | Number of Bottles: 1                                                                                         | Preserved With: 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                     |                               |

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

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JEREMY PARRISH  
FL DEP NORTHEAST DISTRICT  
8800 BAYMEADOWS WAY WEST  
SUITE 100  
JACKSONVILLE, FL 32256  
UNITED STATES US

SHIP DATE: 10DEC18  
ACTWGT: 15.00 LB MAN  
CAD: 0446970/CAFE3211

TO **JOHN WATTS**  
**FLORIDA DEP/CHEMISTRY SECTION**  
**2600 BLAIRSTONE RD**

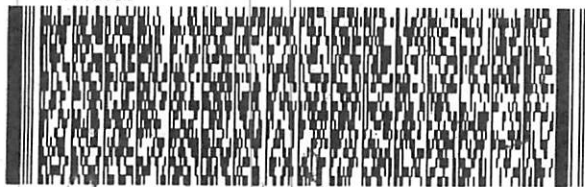
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553C1/FIFE/104C

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0705. PRIORITY OVERNIGHT

ORIGIN ID: TLHA (904) 807-3300  
JEREMY PARRISH  
FL DEP NORTHEAST DISTRICT  
8800 BAYMEADOWS WAY WEST  
SUITE 100  
JACKSONVILLE, FL 32256  
UNITED STATES US

SHIP DATE: 10DEC18  
ACTWGT: 15.00 LB MAN  
CAD: 0446970/CAFE3211

TO **JOHN WATTS**  
**FLORIDA DEP/CHEMISTRY SECTION**  
**2600 BLAIRSTONE RD**

**TALLAHASSEE FL 32399**

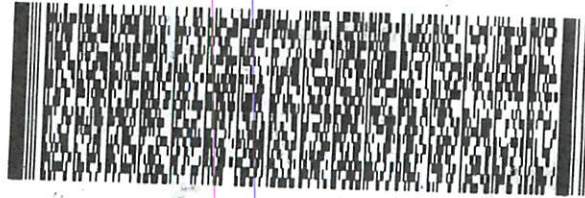
(850) 245-8077

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RMA: 01111111



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