

# Log-in Checklist

RQ- 2018-09-17-62

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 9/21/18 9:45

| Cooler Temperature* | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |          |          |    | Tracking # (fill out only if waybill copy is damaged) |
|---------------------|----------------------------------------|----------|---------------------------------------|---------------|----------|----------|----|-------------------------------------------------------|
|                     | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |          | *Intact? |    |                                                       |
|                     |                                        |          |                                       | Yes           | No       | Yes      | No |                                                       |
| <u>1.1°C</u>        |                                        |          | <u>12</u>                             |               | <u>✓</u> |          |    |                                                       |
| <u>23°C</u>         |                                        |          | <u>10</u>                             |               | <u>✓</u> |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |

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

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

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

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ✓ No        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: Q.2

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

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

\*\*Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No        NA        Init: Q.2

\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes        No ✓ NA        Init: Q.2

Coolers Unpacked/Checked by: Q.2 Date: 9/21/18 NCRs (Y/N)?       

Event ID: CEM-DIST-2018-09-21-01 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_04_2018            |
| pH Paper 0.0 – 3.0 Lot #   | 230515 EXP: 10/30/2018 |
| pH Paper 0 – 13 Lot #      | 222516 EXP: 08/15/2019 |
| Chlorine Test Strips Lot # | 7226 EXP: 07/2020      |

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

Myrtle X2 / Charm / Hope / Noname

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By: Mike Linger

Project ID: SMP

Collected By: Mike Linger / Leif Boman

Sampling Agency: FDEP CE-Roc

|          |                                                         |          |                                                                           |                                                           |                      |                                                                            |                               |
|----------|---------------------------------------------------------|----------|---------------------------------------------------------------------------|-----------------------------------------------------------|----------------------|----------------------------------------------------------------------------|-------------------------------|
| Location | WIN ID / Field ID →                                     |          | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9/20/18 Time 956  | Eastern<br>Central   | Composite end<br>Date Time                                                 | Bottle Group(s)<br>(See pg 2) |
| Field ID | Lake Hope @ Center<br>(29979)                           | G2CE0106 |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)                     | Diss. Oxygen<br>4.46 | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) |
| WIN/STOR |                                                         |          |                                                                           | Temp (C) 30.30                                            | pH 7.02              | Sample Depth 0.3                                                           | Sp. Conductance (umho/cm) 296 |
| Latitude |                                                         |          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                            | Comments             |                                                                            |                               |
| Location | WIN ID / Field ID →                                     |          | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9/20/18 Time 1042 | Eastern<br>Central   | Composite end<br>Date Time                                                 | Bottle Group(s)               |
| Field ID | Noname Lake @ Center<br>(2999B)                         | G2CE0068 |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)                     | Diss. Oxygen<br>7.66 | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) |
| WIN/STOR |                                                         |          |                                                                           | Temp (C) 30.86                                            | pH 7.22              | Sample Depth 0.3                                                           | Sp. Conductance (umho/cm) 123 |
| Latitude |                                                         |          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                            | Comments             |                                                                            |                               |
| Location | WIN ID / Field ID →                                     |          | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9/20/18 Time 1132 | Eastern<br>Central   | Composite end<br>Date Time                                                 | Bottle Group(s)               |
| Field ID | Lake Charm @ Center<br>(2995)                           | G2CE0080 |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)                     | Diss. Oxygen<br>9.92 | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) |
| WIN/STOR |                                                         |          |                                                                           | Temp (C) 30.80                                            | pH 8.91              | Sample Depth 0.3                                                           | Sp. Conductance (umho/cm) 282 |
| Latitude |                                                         |          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                            | Comments             |                                                                            |                               |
| Location | WIN ID / Field ID →                                     |          | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9/20/18 Time 1220 | Eastern<br>Central   | Composite end<br>Date Time                                                 | Bottle Group(s)               |
| Field ID | Lake Myrtle @ 140m W of Center of South Lobe<br>(2986B) | G2CE0190 |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)                     | Diss. Oxygen<br>6.93 | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) |
| WIN/STOR |                                                         |          |                                                                           | Temp (C) 31.99                                            | pH 7.61              | Sample Depth 0.3                                                           | Sp. Conductance (umho/cm) 210 |
| Latitude |                                                         |          | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                            | Comments             |                                                                            |                               |

|                      |                           |                         |                              |                   |                         |
|----------------------|---------------------------|-------------------------|------------------------------|-------------------|-------------------------|
| Relinquished By: MKL | Date/Time: 9/20/18 - 1600 | Shipping Method: Fed Ex | Number of Coolers Shipped: 2 | Received By: J.D. | Date/Time: 9/21/18 9:45 |
|----------------------|---------------------------|-------------------------|------------------------------|-------------------|-------------------------|

\* - CD-FLR-ECA sent to contract lab

|                                                                                    |                             |                 |                                      |                                     |                        |
|------------------------------------------------------------------------------------|-----------------------------|-----------------|--------------------------------------|-------------------------------------|------------------------|
| Group: A                                                                           | Bottle Type: P-1L           | # of Bottles: 2 | Preservative: ICE                    | Enter Number of Bottles Sent to Lab | 2                      |
| ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |                             |                 |                                      |                                     |                        |
| Group: A                                                                           | Bottle Type: P-250ML-WI-THI | # of Bottles: 2 | Preservative: Na thiosulfate and Ice | Enter Number of Bottles Sent to Lab | 2 sent to contract lab |
| CD-FLR-ECQ                                                                         |                             |                 |                                      |                                     |                        |
| 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-500ML        | # of Bottles: 2 | Preservative: HNO3                   | Enter Number of Bottles Sent to Lab | 2                      |
| W-ICP                                                                              |                             |                 | HNO3                                 |                                     |                        |
| W-ICPMS                                                                            |                             |                 | LOT# NA8080070<br>EXP: 03/21/19      |                                     |                        |
| Group: A                                                                           | Bottle Type: P-500ML        | # of Bottles: 2 | Preservative: ICE And H2SO4          | Enter Number of Bottles Sent to Lab | 2                      |
| W-NH3                                                                              |                             |                 | H2SO4                                |                                     |                        |
| W-NO2NO3                                                                           |                             |                 | LOT# SA8101020<br>EXP: 04/11/2019    |                                     |                        |
| 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: 3 | Preservative: ICE                    | Enter Number of Bottles Sent to Lab | 3                      |
| ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |                             |                 |                                      |                                     |                        |

|          |                                           |                 |                                         |                                                                   |
|----------|-------------------------------------------|-----------------|-----------------------------------------|-------------------------------------------------------------------|
| Group: B | Bottle Type: P-250ML-WI-THI<br>CD-FLR-ECQ | # of Bottles: 3 | Preservative: Na thiosulfate<br>and Ice | Enter Number of Bottles Sent to Lab <u>3 sent to contract lab</u> |
|----------|-------------------------------------------|-----------------|-----------------------------------------|-------------------------------------------------------------------|

|          |                                  |                 |                   |                                              |
|----------|----------------------------------|-----------------|-------------------|----------------------------------------------|
| Group: B | Bottle Type: BP-1L<br>CHLSUITE-W | # of Bottles: 3 | Preservative: ICE | Enter Number of Bottles Sent to Lab <u>3</u> |
|----------|----------------------------------|-----------------|-------------------|----------------------------------------------|

|          |                                                                         |                 |                             |                                              |
|----------|-------------------------------------------------------------------------|-----------------|-----------------------------|----------------------------------------------|
| Group: B | Bottle Type: P-500ML<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | # of Bottles: 3 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab <u>3</u> |
|----------|-------------------------------------------------------------------------|-----------------|-----------------------------|----------------------------------------------|

H2SO4  
LOT# SA8101020  
EXP: 04/11/2019

|          |                                 |                 |                          |                                              |
|----------|---------------------------------|-----------------|--------------------------|----------------------------------------------|
| Group: B | Bottle Type: P-125ML<br>W-PO4-F | # of Bottles: 3 | Preservative: FILTER-ICE | Enter Number of Bottles Sent to Lab <u>3</u> |
|----------|---------------------------------|-----------------|--------------------------|----------------------------------------------|

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Myrtle X2 / Charm / Hope / Noname

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Field Report Prepared By: Mike Linger

Collected By: Mike Linger / Leit Bonan

Sampling Agency: FDEP CE-ROC

|          |                                                                           |  |                                                           |                                                                            |                                  |                                  |
|----------|---------------------------------------------------------------------------|--|-----------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|----------------------------------|
| Location | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 9/20/18 Time 1226 | Eastern<br>Central                                                         | Composite end<br>Date Time       | Bottle<br>Group(s)<br>(See pg 2) |
| Field ID | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen<br>6.73                                      | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)    | A                                |
| WIN/STO  | Temp<br>(C) 31.70                                                         |  | pH<br>7.51                                                | Sample<br>Depth 0.3                                                        | Sp. Conductance<br>(umho/cm) 210 |                                  |
| Latitude | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               |  | Salinity<br>(ppt)                                         | Comments<br>CD-FLR-ECQ sent to contract lab                                |                                  |                                  |



G2CE0191

WIN ID / Field ID →  
Myrtle Lake @ 135m NE  
of Center of South Lobe  
(2986B)

|              |                                                                |           |                                                             |                                                                 |                               |                    |
|--------------|----------------------------------------------------------------|-----------|-------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------|--------------------|
| Location     | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab |           | Collection (comp begin or grab)<br>Date Time                | Eastern<br>Central                                              | Composite end<br>Date Time    | Bottle<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                                                 | 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                | Eastern<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                                                 | 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                | Eastern<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                                                 | 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:<br>MKL | Date/Time<br>9/20/18 1600 | Shipping Method<br>FedEx | Number of Coolers Shipped:<br>2 | Received By:<br>J. D. | Date/Time<br>9/21/18 9:45 |
|-------------------------|---------------------------|--------------------------|---------------------------------|-----------------------|---------------------------|

|          |                                                                                    |                |                 |               |                        |                                           |
|----------|------------------------------------------------------------------------------------|----------------|-----------------|---------------|------------------------|-------------------------------------------|
| 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:                                                                       | P-250ML-WI-THI | # of Bottles: 2 | Preservative: | Na thiosulfate and Ice | Enter Number of Bottles Sent to Lab _____ |
|          | CD-FLR-ECQ                                                                         |                |                 |               |                        |                                           |
| 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-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: 3 | 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 |                |                 |               |                        |                                           |

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|          |                             |                 |                                      |                                           |
|----------|-----------------------------|-----------------|--------------------------------------|-------------------------------------------|
| Group: B | Bottle Type: P-250ML-WI-THI | # of Bottles: 3 | Preservative: Na thiosulfate and Ice | Enter Number of Bottles Sent to Lab _____ |
|          | CD-FLR-ECQ                  |                 |                                      |                                           |

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|          |                    |                 |                   |                                           |
|----------|--------------------|-----------------|-------------------|-------------------------------------------|
| Group: B | Bottle Type: BP-1L | # of Bottles: 3 | Preservative: ICE | Enter Number of Bottles Sent to Lab _____ |
|          | CHLSUITE-W         |                 |                   |                                           |

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|          |                      |                 |                             |                                           |
|----------|----------------------|-----------------|-----------------------------|-------------------------------------------|
| Group: B | Bottle Type: P-500ML | # of Bottles: 3 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab _____ |
|          | W-NH3                |                 |                             |                                           |
|          | W-NO2NO3             |                 |                             |                                           |
|          | W-S-A-TP             |                 |                             |                                           |
|          | W-TKN                |                 |                             |                                           |
|          | W-TOC                |                 |                             |                                           |

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|          |                      |                 |                          |                                           |
|----------|----------------------|-----------------|--------------------------|-------------------------------------------|
| Group: B | Bottle Type: P-125ML | # of Bottles: 3 | Preservative: FILTER-ICE | Enter Number of Bottles Sent to Lab _____ |
|          | W-PO4-F              |                 |                          |                                           |

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Date of Request: 30-AUG-2018  
 Created By: LINGER\_M On: 30-AUG-2018  
 Modified By: SWANSON\_C On: 04-SEP-2018  
 Customer: CEN-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central District  
 Sampling Event: Myrtle X2 / Charm / Hope / Noname

**Send Coolers To:**

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

**Send Final Report To:**

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: AYRES\_J On: 31-AUG-2018  
 Biology Request Reviewed By: SWANSON\_C On: 04-SEP-2018  
 Sampling Kit Required: YES Ship on: 07-SEP-2018  
 Sampling Kit Shipped: YES On: 06-SEP-2018  
 Sampling Kit Packed By: GREENWOO\_J  
 Preservatives Needed: NO  
 Date to Receive Samples: 17-SEP-2018  
 Received By:

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

Comments: A: Myrtle X2  
 B: Charm / Hope / Noname

**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-SO4-IC                    | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                      |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                  |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 2 | Preserved With: Na thiosulfate and Ice                                                                                                         |
| CD-FLR-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Collert 18 Quanti-Tray method by Flowers Chemical Laboratory in Altamonte Springs                  |
| 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-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 |
| Calcium                     |                      |                                                                                                                                                |
| Chromium                    |                      |                                                                                                                                                |
| Iron                        |                      |                                                                                                                                                |
| Magnesium                   |                      |                                                                                                                                                |
| Nickel                      |                      |                                                                                                                                                |
| Potassium                   |                      |                                                                                                                                                |

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 2 | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template:            | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Sodium               |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Arsenic              |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| 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 3 Samples:**

|                             |                      |                                                                                                                                |
|-----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML        | Number of Bottles: 3 | 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: 3 | 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: 3 | Preserved With: ICE                                                                                                            |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                                    |
| TURBIDITY                   | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                             |
| W-CL-IC                     | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                              |
| W-COLOR                     | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                                      |
| Color (true)                |                      |                                                                                                                                |
| W-F                         | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                           |
| W-SO4-IC                    | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                               |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                      |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                  |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 3 | Preserved With: Na thiosulfate and Ice                                                                                         |
| CD-FLR-ECQ                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by Flowers Chemical Laboratory in Altamonte Springs |
| Bottle Type: BP-1L          | Number of Bottles: 3 | Preserved With: ICE                                                                                                            |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                   |

Using This Tag

ORIGIN ID: TLHA (407) 897-4180  
MICHAEL LINGER  
FLORIDA DEP-CENTRAL DISTRICT  
3319 MAGUIRE BLVD STE 232

ORLANDO, FL 32803  
UNITED STATES US

SHIP DATE: 06SEP18  
ACTWGT: 15.00 LB MAN  
CAD: 0446970/CAFE3210

TO JOHN WATTS  
FLORIDA DEP/CHEMISTRY SECTION  
2600 BLAIRSTONE RD

TALLAHASSEE FL 32399

(850) 245-8077

REF:

DEPT:

RMA: ||| ||| |||



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FRI - 21 SEP 10:30A  
PRIORITY OVERNIGHT

TRK# 4385 5033 3117  
0221

36 TLHA

32399

FL-US  
TLH



FTD 5037366 20SEP18 ORLA 553C1/F78C/0C8A

Using This Tag

ORIGIN ID: TLHA (407) 897-4180  
MICHAEL LINGER  
FLORIDA DEP-CENTRAL DISTRICT  
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FedEx  
Express



FRI - 21 SEP 10:30A  
PRIORITY OVERNIGHT

TRK# 4385 5033 3106  
0221

36 TLHA

32399

FL-US  
TLH



FTD 5037366 20SEP18 ORLA 553C1/F78C/0C8A

Cooler Packing Worksheet for Request: RQ-2018-09-17-62

Myrtle X2 / Charm / Hope / Noname

Ship Cooler On: 9/7/2018

Customer/Project: CEN-DIST/SMP

Assigned To: GREENWOO\_J

Requester: Michael Linger

Priority: 3

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

Comments:

No preservatives needed.

A: Myrtle X2

B: Charm / Hope / Noname

Requested Analyses:

**Bottle Group: A**

**# of Sites: 2**

Container ID: P-1L

Qty: 2      Preservation: ICE

Lot # 00070298

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: P-250ML-WI-THI

Qty: 2      Preservation: Na thiosulfate and Ice

Lot # 118005

Description: 250 ml Sterilized with tablet

**Analysis**

CD-FLR-ECQ

**Description**

Escherichia coli by Colilert 18 Quanti-Tray method by Flowers Chemical Laboratory in Altamonte Springs

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1232362

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 00072044

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00072044

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 2 Preservation: FILTER-ICE

Lot # 00068347

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B

# of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00070298

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

|          |                                                                                     |
|----------|-------------------------------------------------------------------------------------|
| W-CL-IC  | Chloride in aqueous matrices                                                        |
| W-COLOR  | True Color measured at 450 nm                                                       |
| W-F      | Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO4-IC | Sulfate in aqueous matrices                                                         |
| W-TDS    | Total Dissolved Solids in aqueous matrices                                          |
| W-TSS    | Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample      |

Container ID: P-250ML-WI-THI Qty: 3 Preservation: Na thiosulfate and Ice Lot # 118005

Description: 250 ml Sterilized with tablet

**Analysis**

CD-FLR-ECQ

**Description**

Escherichia coli by Colilert 18 Quanti-Tray method by Flowers Chemical Laboratory in Altamonte Springs

Container ID: BP-1L Qty: 3 Preservation: ICE

Lot # 1232362

Description: Brown Plastic Bottle 1L

**Analysis**

CHLSUITE-W

**Description**

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML Qty: 3 Preservation: ICE And H2SO4

Lot # 0072044

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

**Description**

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML Qty: 3 Preservation: FILTER-ICE

Lot # 0068347

Description: Plastic Bottle 125 mL

**Analysis**

W-PO4-F

**Description**

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: J.D. Number of Coolers: 2 Date: 9/6/18

|                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                  |             |           |             |          |           |             |          |           |             |          |           |             |          |           |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|-------------|----------|-----------|-------------|----------|-----------|-------------|----------|-----------|-------------|----------|-----------|-------------|
| <p>Kit must also include:</p> <ul style="list-style-type: none"><li><input checked="" type="checkbox"/> Field Sheets</li><li><input checked="" type="checkbox"/> Temperature Control Bottle</li><li><input checked="" type="checkbox"/> FedEx Bills, if applicable</li><li><input checked="" type="checkbox"/> Plastic Bags/Zip Ties</li><li><input type="checkbox"/> Acid Labels (sets of 24)</li></ul> | <p>If Preservation Included:</p> <table><tr><td>ID _____</td><td>Exp _____</td><td>Lot # _____</td></tr><tr><td>ID _____</td><td>Exp _____</td><td>Lot # _____</td></tr><tr><td>ID _____</td><td>Exp _____</td><td>Lot # _____</td></tr><tr><td>ID _____</td><td>Exp _____</td><td>Lot # _____</td></tr><tr><td>ID _____</td><td>Exp _____</td><td>Lot # _____</td></tr></table> | ID _____    | Exp _____ | Lot # _____ | ID _____ | Exp _____ | Lot # _____ | ID _____ | Exp _____ | Lot # _____ | ID _____ | Exp _____ | Lot # _____ | ID _____ | Exp _____ | Lot # _____ |
| ID _____                                                                                                                                                                                                                                                                                                                                                                                                 | Exp _____                                                                                                                                                                                                                                                                                                                                                                        | Lot # _____ |           |             |          |           |             |          |           |             |          |           |             |          |           |             |
| ID _____                                                                                                                                                                                                                                                                                                                                                                                                 | Exp _____                                                                                                                                                                                                                                                                                                                                                                        | Lot # _____ |           |             |          |           |             |          |           |             |          |           |             |          |           |             |
| ID _____                                                                                                                                                                                                                                                                                                                                                                                                 | Exp _____                                                                                                                                                                                                                                                                                                                                                                        | Lot # _____ |           |             |          |           |             |          |           |             |          |           |             |          |           |             |
| ID _____                                                                                                                                                                                                                                                                                                                                                                                                 | Exp _____                                                                                                                                                                                                                                                                                                                                                                        | Lot # _____ |           |             |          |           |             |          |           |             |          |           |             |          |           |             |
| ID _____                                                                                                                                                                                                                                                                                                                                                                                                 | Exp _____                                                                                                                                                                                                                                                                                                                                                                        | Lot # _____ |           |             |          |           |             |          |           |             |          |           |             |          |           |             |

**PLEASE RETURN ALL COOLERS FOR RQ-2018-09-17-62**