

# Log-in Checklist

RQ- 2019-04-08-37

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 4/12/19 @ 10:10

| Cooler Temperature* | Samples Frozen | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |        |          |    | Tracking #<br>Damaged waybills only |
|---------------------|----------------|----------------------------------------|----------|---------------------------------------|---------------|--------|----------|----|-------------------------------------|
|                     |                |                                        |          |                                       | Present?      |        | *Intact? |    |                                     |
|                     | YES            | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No     | Yes      | No |                                     |
| 0.1<br>0.8          |                |                                        |          | 10<br>12                              |               | ✓<br>✓ |          |    | 4751 8778 2460<br>4751 8778 2459    |
|                     |                |                                        |          |                                       |               |        |          |    |                                     |
|                     |                |                                        |          |                                       |               |        |          |    |                                     |
|                     |                |                                        |          |                                       |               |        |          |    |                                     |
|                     |                |                                        |          |                                       |               |        |          |    |                                     |
|                     |                |                                        |          |                                       |               |        |          |    |                                     |

\* 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 and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **DOH coolers can exceed 2.0 °C above standard temperature without customer notification/confirmation.**

**\*\*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 ✓

## 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: KK

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

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

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

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

Coolers Unpacked/Checked by: KK Date: 4/12/19

NCRs (Y/N)? N

Event ID: Park / Gem / Ann / Asher  
CEN-DIST-2019-04-12-02 (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:   |                      |
| pH Paper 0.0 – 3.0 Lot #   | 220416A EXP:7/30/20  |
| pH Paper 0 – 13 Lot #      | 222516 EXP:9/15/2019 |
| Chlorine Test Strips Lot # | 091417V EXP:9/2021   |

## ENCORE SAMPLES

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

Were Encore samples received? Yes \_\_\_\_\_ No X

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

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ If No \_\_\_\_\_

no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

## FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Collected By: Leif Boman

Field Report Prepared By: Mike Drennan

Sampling Agency: FDEP-CEPUC

|                                                                          |  |                                                                           |                                                           |                      |                                                                            |                               |
|--------------------------------------------------------------------------|--|---------------------------------------------------------------------------|-----------------------------------------------------------|----------------------|----------------------------------------------------------------------------|-------------------------------|
| Location                                                                 |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/11/19 Time 1036 | Eastern<br>Central   | Composite end<br>Date Time                                                 | Bottle Group(s)<br>(See pg 2) |
| WIN ID / Field ID →<br>Lake Gem at Center                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                           | Diss. Oxygen<br>7.56 | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) |
| Temp (C) 24.75                                                           |  | pH 7.27                                                                   |                                                           | Sample Depth 0.3     | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance (umho/cm) 229 |
| <input type="checkbox"/> dd<br><input type="checkbox"/> dms              |  | Salinity (ppt) 0.11                                                       |                                                           | Comments             |                                                                            |                               |
| Location                                                                 |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/11/19 Time 1048 | Eastern<br>Central   | Composite end<br>Date Time                                                 | Bottle Group(s)               |
| WIN ID / Field ID →<br>Lake Park @ Center                                |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                           | Diss. Oxygen<br>8.91 | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine (mg/L)    |
| Temp (C) 25.69                                                           |  | pH 7.96                                                                   |                                                           | Sample Depth 0.3     | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance (umho/cm) 204 |
| <input type="checkbox"/> dd<br><input type="checkbox"/> dms              |  | Salinity (ppt) 0.10                                                       |                                                           | Comments             |                                                                            |                               |
| Location                                                                 |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/11/19 Time 1050 | Eastern<br>Central   | Composite end<br>Date Time                                                 | Bottle Group(s)               |
| Field ID: G2CE0009<br>WIN: G2CE0009_DUP<br>Location: Lake Park at center |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                           | Diss. Oxygen         | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine (mg/L)    |
| Temp (C)                                                                 |  | pH                                                                        |                                                           | Sample Depth         | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance (umho/cm)     |
| <input type="checkbox"/> dd<br><input type="checkbox"/> dms              |  | Salinity (ppt)                                                            |                                                           | Comments             |                                                                            |                               |
| Location                                                                 |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/11/19 Time 1100 | Eastern<br>Central   | Composite end<br>Date Time                                                 | Bottle Group(s)               |
| Field ID: FB_04112019                                                    |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Field Blank                      |                                                           | Diss. Oxygen         | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine (mg/L)    |
| Temp (C)                                                                 |  | pH                                                                        |                                                           | Sample Depth         | <input type="checkbox"/> ft<br><input type="checkbox"/> m                  | Sp. Conductance (umho/cm)     |
| <input type="checkbox"/> dd<br><input type="checkbox"/> dms              |  | Salinity (ppt)                                                            |                                                           | Comments             |                                                                            |                               |

|                                  |                           |                          |                                 |                    |                              |
|----------------------------------|---------------------------|--------------------------|---------------------------------|--------------------|------------------------------|
| Relinquished By:<br>Mike Drennan | Date/Time<br>4/11/19 1600 | Shipping Method<br>FedEx | Number of Coolers Shipped:<br>2 | Received By:<br>KH | Date/Time<br>4.12.19 / 10:10 |
|----------------------------------|---------------------------|--------------------------|---------------------------------|--------------------|------------------------------|

|          |              |         |                 |                 |               |                                     |   |
|----------|--------------|---------|-----------------|-----------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type: | P-1L    | # of Bottles: 4 | Preservative:   | ICE           | Enter Number of Bottles Sent to Lab | 4 |
|          | ALKALINITY   |         |                 |                 |               |                                     |   |
|          | TURBIDITY    |         |                 |                 |               |                                     |   |
|          | W-CL-IC      |         |                 |                 |               |                                     |   |
|          | W-COLOR      |         |                 |                 |               |                                     |   |
|          | W-F          |         |                 |                 |               |                                     |   |
|          | W-SO4-IC     |         |                 |                 |               |                                     |   |
|          | W-TDS        |         |                 |                 |               |                                     |   |
|          | W-TSS        |         |                 |                 |               |                                     |   |
| Group: A | Bottle Type: | BP-1L   | # of Bottles: 4 | Preservative:   | ICE           | Enter Number of Bottles Sent to Lab | 4 |
|          | CHLSUITE-W   |         |                 |                 |               |                                     |   |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 4 | Preservative:   | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 4 |
|          | W-NH3        |         |                 |                 |               |                                     |   |
|          | W-NO2NO3     |         |                 |                 |               |                                     |   |
|          | W-S-A-TP     |         |                 |                 |               |                                     |   |
|          | W-TKN        |         |                 |                 |               |                                     |   |
|          | W-TOC        |         |                 |                 |               |                                     |   |
|          |              |         |                 | H2SO4           |               |                                     |   |
|          |              |         |                 | LOT# SA8344070  |               |                                     |   |
|          |              |         |                 | EXP: 12/10/2019 |               |                                     |   |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 4 | Preservative:   | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 4 |
|          | W-PO4-F      |         |                 |                 |               |                                     |   |
| Group: B | Bottle Type: | P-1L    | # of Bottles: 2 | Preservative:   | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | ALKALINITY   |         |                 |                 |               |                                     |   |
|          | TURBIDITY    |         |                 |                 |               |                                     |   |
|          | W-CL-IC      |         |                 |                 |               |                                     |   |
|          | W-COLOR      |         |                 |                 |               |                                     |   |
|          | W-F          |         |                 |                 |               |                                     |   |
|          | W-SO4-IC     |         |                 |                 |               |                                     |   |
|          | W-TDS        |         |                 |                 |               |                                     |   |
|          | W-TSS        |         |                 |                 |               |                                     |   |
| Group: B | Bottle Type: | P-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        |         |                 |                 |               |                                     |   |
|          |              |         |                 | H2SO4           |               |                                     |   |
|          |              |         |                 | LOT# SA8344070  |               |                                     |   |
|          |              |         |                 | EXP: 12/10/2019 |               |                                     |   |

Group: B

Bottle Type:

P-125ML

# of Bottles: 2

Preservative: FILTER-ICE

Enter Number of Bottles Sent to Lab

2

W-PO4-F

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Collected By: Leif Boman

Field Report Prepared By: Mike Drennan

Sampling Agency: FDEP-CEPAC

|                                                                      |  |                                                                           |  |                                                                            |  |                                                                            |  |                               |  |                                  |  |
|----------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|----------------------------------------------------------------------------|--|----------------------------------------------------------------------------|--|-------------------------------|--|----------------------------------|--|
| Location                                                             |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 4/11/19 Time 1141                  |  | Eastern<br>Central                                                         |  | Composite end<br>Date Time    |  | Bottle<br>Group(s)<br>(See pg 2) |  |
| File WIN ID / Field ID →                                             |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen 6.74                                                          |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |  | Total Res. Chlorine (mg/L)    |  | A                                |  |
| W Lake Asher @ Center of Lake                                        |  | Temp (C) 26.33                                                            |  | pH 6.84                                                                    |  | Sample Depth 0.3                                                           |  | Sp. Conductance (umho/cm) 187 |  |                                  |  |
| La                                                                   |  | Salinity (ppt) 0.09                                                       |  | Comments                                                                   |  |                                                                            |  |                               |  |                                  |  |
| G2CE0130                                                             |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               |  |                                                                            |  |                                                                            |  |                               |  |                                  |  |
| Location                                                             |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 4/11/19 Time 1248                  |  | Eastern<br>Central                                                         |  | Composite end<br>Date Time    |  | Bottle<br>Group(s)               |  |
| File WIN ID / Field ID →                                             |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen 10.82                                                         |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |  | Total Res. Chlorine (mg/L)    |  | A                                |  |
| W Lake Ann @ Center                                                  |  | Temp (C) 26.05                                                            |  | pH 8.06                                                                    |  | Sample Depth 0.3                                                           |  | Sp. Conductance (umho/cm) 159 |  |                                  |  |
| La                                                                   |  | Salinity (ppt) 0.07                                                       |  | Comments                                                                   |  |                                                                            |  |                               |  |                                  |  |
| G2CE0097                                                             |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               |  |                                                                            |  |                                                                            |  |                               |  |                                  |  |
| 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 (mg/L)    |  |                                  |  |
| WIN/STORET #                                                         |  | Temp (C)                                                                  |  | pH                                                                         |  | Sample Depth                                                               |  | Sp. Conductance (umho/cm)     |  |                                  |  |
| Latitude <input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude <input type="checkbox"/> dd<br><input type="checkbox"/> dms     |  | Salinity (ppt) <input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | 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 (mg/L)    |  |                                  |  |
| WIN/STORET #                                                         |  | Temp (C)                                                                  |  | pH                                                                         |  | Sample Depth                                                               |  | Sp. Conductance (umho/cm)     |  |                                  |  |
| Latitude <input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude <input type="checkbox"/> dd<br><input type="checkbox"/> dms     |  | Salinity (ppt) <input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Comments                                                                   |  |                               |  |                                  |  |

|                               |                         |                        |                              |                 |                            |
|-------------------------------|-------------------------|------------------------|------------------------------|-----------------|----------------------------|
| Relinquished By: Mike Drennan | Date/Time: 4/11/19 1600 | Shipping Method: FedEx | Number of Coolers Shipped: 2 | Received By: KH | Date/Time: 4.12.19 / 10:10 |
|-------------------------------|-------------------------|------------------------|------------------------------|-----------------|----------------------------|

|          |              |         |                 |                 |               |                                     |   |
|----------|--------------|---------|-----------------|-----------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type: | P-1L    | # of Bottles: 4 | Preservative:   | ICE           | Enter Number of Bottles Sent to Lab | 4 |
|          | ALKALINITY   |         |                 |                 |               |                                     |   |
|          | TURBIDITY    |         |                 |                 |               |                                     |   |
|          | W-CL-IC      |         |                 |                 |               |                                     |   |
|          | W-COLOR      |         |                 |                 |               |                                     |   |
|          | W-F          |         |                 |                 |               |                                     |   |
|          | W-SO4-IC     |         |                 |                 |               |                                     |   |
|          | W-TDS        |         |                 |                 |               |                                     |   |
|          | W-TSS        |         |                 |                 |               |                                     |   |
| Group: A | Bottle Type: | BP-1L   | # of Bottles: 4 | Preservative:   | ICE           | Enter Number of Bottles Sent to Lab | 4 |
|          | CHLSUITE-W   |         |                 |                 |               |                                     |   |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 4 | Preservative:   | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 4 |
|          | W-NH3        |         |                 |                 |               |                                     |   |
|          | W-NO2NO3     |         |                 |                 |               |                                     |   |
|          | W-S-A-TP     |         |                 |                 |               |                                     |   |
|          | W-TKN        |         |                 |                 |               |                                     |   |
|          | W-TOC        |         |                 |                 |               |                                     |   |
|          |              |         |                 | H2SO4           |               |                                     |   |
|          |              |         |                 | LOT# SA8344070  |               |                                     |   |
|          |              |         |                 | EXP: 12/10/2019 |               |                                     |   |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 4 | Preservative:   | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 4 |
|          | W-PO4-F      |         |                 |                 |               |                                     |   |
| Group: B | Bottle Type: | P-1L    | # of Bottles: 2 | Preservative:   | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|          | ALKALINITY   |         |                 |                 |               |                                     |   |
|          | TURBIDITY    |         |                 |                 |               |                                     |   |
|          | W-CL-IC      |         |                 |                 |               |                                     |   |
|          | W-COLOR      |         |                 |                 |               |                                     |   |
|          | W-F          |         |                 |                 |               |                                     |   |
|          | W-SO4-IC     |         |                 |                 |               |                                     |   |
|          | W-TDS        |         |                 |                 |               |                                     |   |
|          | W-TSS        |         |                 |                 |               |                                     |   |
| Group: B | Bottle Type: | P-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        |         |                 |                 |               |                                     |   |
|          |              |         |                 | H2SO4           |               |                                     |   |
|          |              |         |                 | LOT# SA8344070  |               |                                     |   |
|          |              |         |                 | EXP: 12/10/2019 |               |                                     |   |

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

W-PO4-F



Date of Request: 21-MAR-2019  
 Created By: LINGER\_M On: 21-MAR-2019  
 Modified By: JASROTIA\_P On: 25-MAR-2019  
 Customer: CEN-DIST  
 Project: SMP  
 Division:  
 District: Central District  
 Sampling Event: Park / Gem / Ann / Asher

**Send Coolers To:**

Phone: 407-894-4180  
 FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Mike Linger

Program Module Number: 1306  
 Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 22-MAR-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 25-MAR-2019  
 Sampling Kit Required: YES Ship on: 29-MAR-2019  
 Sampling Kit Shipped: YES On: 28-MAR-2019  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 08-APR-2019  
 Received By:

**Send Final Report To:**

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

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

Comments: A: Sites  
 B: D&B

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

|                      |                      |                                                                                                              |
|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L    | Number of Bottles: 4 | Preserved With: ICE                                                                                          |
| ALKALINITY           | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                  |
| TURBIDITY            | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| W-CL-IC              | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| W-COLOR              | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                    |
| Color (true)         |                      |                                                                                                              |
| W-F                  | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)         |
| W-SO4-IC             | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |
| W-TDS                | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                    |
| W-TSS                | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                |
| Bottle Type: BP-1L   | Number of Bottles: 4 | Preserved With: ICE                                                                                          |
| CHLSUITE-W           | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-500ML | Number of Bottles: 4 | Preserved With: ICE And H2SO4                                                                                |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                               |
| Bottle Type: P-125ML | Number of Bottles: 4 | Preserved With: FILTER-ICE                                                                                   |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |

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

|                   |                      |                                                             |
|-------------------|----------------------|-------------------------------------------------------------|
| Bottle Type: P-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           |

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

|                      |                      |                                                                                                      |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L    | Number of Bottles: 2 | Preserved With: ICE                                                                                  |
| W-COLOR              | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                            |
| Color (true)         |                      |                                                                                                      |
| W-F                  | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO4-IC             | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                     |
| W-TDS                | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                            |
| W-TSS                | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample        |
| Bottle Type: P-500ML | Number of Bottles: 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             |

Cooler Packing Worksheet for Request: RQ-2019-04-08-37

Park / Gem / Ann / Asher

Ship Cooler On: 3/29/2019

Customer/Project: CEN-DIST/SMP

Assigned To: KLUG\_K

Requester: Michael Linger

Priority: 3

407-894-4180  
FL Dept. of Environmental Protection  
3319 Maguire Blvd., Suite 232  
Orlando, FL 32803-3767  
  
Attn: Mike Linger

Comments:

No preservatives needed.

A: Sites

B: D&B

Requested Analyses:

**Bottle Group: A**

**# of Sites: 4**

Container ID: P-1L

Qty: 4      Preservation: ICE

Lot # 00073854

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: BP-1L

Qty: 4      Preservation: ICE

Lot # 1243571

Description: Brown Plastic Bottle 1L

**Analysis**

CHLSUITE-W

**Description**

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

Container ID: P-500ML

Qty: 4 Preservation: ICE And H2SO4

Lot # 00073297

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: 4 Preservation: FILTER-ICE

Lot # 00073295

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: 2**

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00073285

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-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00073297

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 # 00072954

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: NK

Number of Coolers: 2

Date: 3.28.19

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☐ Acid Labels (sets of 24)

If Preservation Included:

|          |           |             |
|----------|-----------|-------------|
| ID _____ | Exp _____ | Lot # _____ |
| ID _____ | Exp _____ | Lot # _____ |
| ID _____ | Exp _____ | Lot # _____ |
| ID _____ | Exp _____ | Lot # _____ |
| ID _____ | Exp _____ | Lot # _____ |

**PLEASE RETURN ALL COOLERS FOR RQ-2019-04-08-37**