

# Log-in Checklist

RQ- 2019-04-22-16

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 4/23/19 @ 9:50

| 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 |                                     |
| 0.8                 |                |                                        |          | 13                                    |               | ✓  |          |    | 4751 8778 6248                      |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |

\* 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 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                                                                                 |     | <u>✓</u> | 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: 4/23/19

NCRs (Y/N)? N

Event ID: Sara Tidal  
SO-DIST-2019-04-23-01 (SMP)

NCR #       

Page 1 of 2, 03/25/2015 Date Received: 23-APR-2019 09:50

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

Sara Tidal

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: SO-DIST

Requester: Maryann Dugan

Field Report Prepared By: Gary Snodgrass

Project ID: SMP

Collected By: Steve Cafone

Sampling Agency: 8052 SROC

|                                                                                                                                      |                                                                           |                                                           |                                                                                     |                                    |                               |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------|-------------------------------|
| Field ID/WIN ID<br>G3SD0066                                                                                                          | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/22/19 Time 1000 | Eastern<br>Central                                                                  | Composite end<br>Date Time         | Bottle Group(s)<br>(See pg 2) |
| Location<br>Curry(Tidal)@AlbeeFarm                                                                                                   | Matrix (type, e.g., Salt, Fresh, etc)<br>Marine                           | Diss. Oxygen<br>3.69                                      | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat          | Total Res. Chlorine<br>(mg/L) -    | A                             |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Temp (C)<br>21.7                                                          | pH<br>7.27                                                | Sample Depth 0.3 <input type="checkbox"/> ft <input checked="" type="checkbox"/> m  | Sp. Conductance (umho/cm)<br>14682 |                               |
| Salinity (ppt) 8.43<br>Comments: Enter sent to Benchmark                                                                             |                                                                           |                                                           |                                                                                     |                                    |                               |
| Field ID/WIN ID<br>G3SD0103                                                                                                          | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/22/19 Time 1015 | Eastern<br>Central                                                                  | Composite end<br>Date Time         | Bottle Group(s)               |
| Location<br>Hatchett@PinebrookRd                                                                                                     | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            | Diss. Oxygen<br>5.82                                      | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat          | Total Res. Chlorine<br>(mg/L) -    | B                             |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Temp (C)<br>18.7                                                          | pH<br>7.47                                                | Sample Depth 0.1 <input type="checkbox"/> ft <input checked="" type="checkbox"/> m  | Sp. Conductance (umho/cm)<br>1214  |                               |
| Salinity (ppt) 0.61<br>Comments: E.coli sent to Benchmark                                                                            |                                                                           |                                                           |                                                                                     |                                    |                               |
| Field ID/WIN ID<br>G2SD0026                                                                                                          | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/22/19 Time 1030 | Eastern<br>Central                                                                  | Composite end<br>Date Time         | Bottle Group(s)               |
| Location<br>Alligator @ Jacaranda                                                                                                    | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            | Diss. Oxygen<br>3.41                                      | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat          | Total Res. Chlorine<br>(mg/L) -    | C                             |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Temp (C)<br>22.1                                                          | pH<br>7.42                                                | Sample Depth 0.3 <input type="checkbox"/> ft <input checked="" type="checkbox"/> m  | Sp. Conductance (umho/cm)<br>933   |                               |
| Salinity (ppt) 0.46<br>Comments: E.coli sent to Benchmark                                                                            |                                                                           |                                                           |                                                                                     |                                    |                               |
| Field ID/WIN ID<br>G3SD01027                                                                                                         | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/22/19 Time 1100 | Eastern<br>Central                                                                  | Composite end<br>Date Time         | Bottle Group(s)               |
| Location<br>WocomeeCreek@HeronRd                                                                                                     | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            | Diss. Oxygen<br>4.76                                      | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat          | Total Res. Chlorine<br>(mg/L) -    | D                             |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Temp (C)<br>21.0                                                          | pH<br>7.24                                                | Sample Depth 0.05 <input type="checkbox"/> ft <input checked="" type="checkbox"/> m | Sp. Conductance (umho/cm)<br>1270  |                               |
| Salinity (ppt) 0.63<br>Comments: Enter sent to Benchmark                                                                             |                                                                           |                                                           |                                                                                     |                                    |                               |

|                                                   |                           |                          |                                 |                     |                           |
|---------------------------------------------------|---------------------------|--------------------------|---------------------------------|---------------------|---------------------------|
| Relinquished By:<br>4/22/19<br>G-5 Gary Snodgrass | Date/Time<br>4/22/19 1330 | Shipping Method<br>Fedex | Number of Coolers Shipped:<br>1 | Received By:<br>K12 | Date/Time<br>4.23.19/9:50 |
|---------------------------------------------------|---------------------------|--------------------------|---------------------------------|---------------------|---------------------------|

|          |                                                                                    |                |                 |               |               |                                     |   |
|----------|------------------------------------------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A | Bottle Type:                                                                       | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ALKALINITY<br>TURBIDITY<br>W-BR-IC<br>W-F<br>W-TSS                                 |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | CHLSUITE-W                                                                         |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-250ML-WI-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0 |
|          | SD-BES-ENT                                                                         |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 1 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | 1 |
|          | W-ICP<br>W-ICPMS<br>NA8197080                                                      |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC<br>SA8344670                       |                |                 |               |               |                                     |   |
| Group: A | Bottle Type:                                                                       | P-125ML        | # of Bottles: 1 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1 |
|          | W-PO4-F                                                                            |                |                 |               |               |                                     |   |
| Group: B | Bottle Type:                                                                       | P-250ML-WI-THI | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0 |
|          | SD-BES-ECQ                                                                         |                |                 |               |               |                                     |   |
| Group: C | Bottle Type:                                                                       | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |                |                 |               |               |                                     |   |
| Group: C | Bottle Type:                                                                       | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Sara Tidal

Customer: SO-DIST

Requester: Maryann Dugan

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

|                              |                                                                                   |                                                                           |                                                             |                                                                            |                                  |                               |
|------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------|-------------------------------|
| Field ID/WIN ID              |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/22/19 Time 11:15  | Eastern<br>Central                                                         | Composite end<br>Date Time       | Bottle Group(s)<br>(See pg 2) |
| Location                     | G2SD0022                                                                          | Matrix (type, e.g., Salt, Fresh, etc.)                                    | Diss. Oxygen                                                | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)    | B                             |
| Unnamed Ditch @ Ind area Ave |                                                                                   | Temp (C) 20.6                                                             | pH 7.20                                                     | Sample Depth 0.2                                                           | Sp. Conductance (umho/cm) 810    |                               |
| Latitude                     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                       | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt) 0.40                                                        | Comments: ecol: sent to Bernhard |                               |
| Field ID/WIN ID              |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4/22/19 Time 11:40  | Eastern<br>Central                                                         | Composite end<br>Date Time       | Bottle Group(s)               |
| Location                     | G2SD0028                                                                          | Matrix (type, e.g., Salt, Fresh, etc.)                                    | Diss. Oxygen                                                | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)    | F                             |
| Gottfried@DeerCkMobile       |                                                                                   | Temp (C) 22.9                                                             | pH 7.64                                                     | Sample Depth 0.3                                                           | Sp. Conductance (umho/cm) 47362  |                               |
| Latitude                     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                       | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt) 30.84                                                       | Comments: Enter sat to Bernhard  |                               |
| Location                     |                                                                                   | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time                | Eastern<br>Central                                                         | Composite end<br>Date Time       | Bottle Group(s)               |
| Field ID                     |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc.)                                    | Diss. Oxygen                                                | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)    |                               |
| WIN/STORET #                 |                                                                                   | Temp (C)                                                                  | pH                                                          | Sample Depth                                                               | Sp. Conductance (umho/cm)        |                               |
| Latitude                     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                       | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                             | Comments                         |                               |
| Location                     |                                                                                   | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time                | Eastern<br>Central                                                         | Composite end<br>Date Time       | Bottle Group(s)               |
| Field ID                     |                                                                                   | Matrix (type, e.g., Salt, Fresh, etc.)                                    | Diss. Oxygen                                                | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)    |                               |
| WIN/STORET #                 |                                                                                   | Temp (C)                                                                  | pH                                                          | Sample Depth                                                               | Sp. Conductance (umho/cm)        |                               |
| Latitude                     | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                       | Longitude                                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                             | Comments                         |                               |

|                  |           |                 |                            |                    |                             |
|------------------|-----------|-----------------|----------------------------|--------------------|-----------------------------|
| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By:<br>KH | Date/Time<br>4-23-19 / 9:50 |
|------------------|-----------|-----------------|----------------------------|--------------------|-----------------------------|

|          |                                                                                    |                |                 |               |               |                                           |
|----------|------------------------------------------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------------|
| Group: A | Bottle Type:                                                                       | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | ALKALINITY<br>TURBIDITY<br>W-BR-IC<br>W-F<br>W-TSS                                 |                |                 |               |               |                                           |
| Group: A | Bottle Type:                                                                       | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | CHLSUITE-W                                                                         |                |                 |               |               |                                           |
| Group: A | Bottle Type:                                                                       | P-250ML-WI-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | SD-BES-ENT                                                                         |                |                 |               |               |                                           |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 1 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab _____ |
|          | W-ICP<br>W-ICPMS                                                                   |                |                 |               |               |                                           |
| Group: A | Bottle Type:                                                                       | P-500ML        | # of Bottles: 1 | 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: 1 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab _____ |
|          | W-PO4-F                                                                            |                |                 |               |               |                                           |
| Group: B | Bottle Type:                                                                       | P-250ML-WI-THI | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | SD-BES-ECQ                                                                         |                |                 |               |               |                                           |
| Group: C | Bottle Type:                                                                       | P-1L           | # of Bottles: 1 | 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: C | Bottle Type:                                                                       | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |

|          |                                                                 |                |                 |               |               |                                     |                             |
|----------|-----------------------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------|-----------------------------|
| Group: C | Bottle Type:<br>CHLSUITE-W                                      | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1                           |
| Group: C | Bottle Type:<br>SD-BES-ECQ                                      | P-250ML-WI-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0<br><i>Sent to Bendure</i> |
| Group: C | Bottle Type:<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC | P-500ML        | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1<br><i>68344070</i>        |
| Group: C | Bottle Type:<br>W-PO4-F                                         | P-125ML        | # of Bottles: 1 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1                           |
| Group: D | Bottle Type:<br>PCR-HF183                                       | QPCR-P-500ML   | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1                           |
| Group: D | Bottle Type:<br>SD-BES-ENT                                      | P-250ML-WI-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0<br><i>Sent to Bendure</i> |
| Group: D | Bottle Type:<br>W-E8321-DI<br>W-E8321-MS                        | BG-500ML       | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1                           |
| Group: E | Bottle Type:<br>PCR-FILTER                                      | QPCR-P-500ML   | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1                           |
| Group: E | Bottle Type:<br>SD-BES-ENT                                      | P-250ML-WI-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 0<br><i>Sent to Bendure</i> |
| Group: E | Bottle Type:<br>W-E8321-DI<br>W-E8321-MS                        | BG-500ML       | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1                           |

Date of Request: 19-MAR-2019  
 Created By: DUGAN\_M On: 19-MAR-2019  
 Modified By: JASROTIA\_P On: 04-APR-2019  
 Customer: SO-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: South District  
 Sampling Event: Sara Tidal

**Send Coolers To:**

Phone: 239-344-5610  
 FLDEP South District Office  
 2295 Victoria Ave. Suite 364  
 Fort Myers, FL 33909  
 Attn: Maryann Dugan

Program Module Number:  
 Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 02-APR-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 04-APR-2019  
 Sampling Kit Required: YES Ship on: 12-APR-2019  
 Sampling Kit Shipped: YES On: 08-APR-2019  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 22-APR-2019  
 Received By:

**Send Final Report To:**

FLDEP South District Office  
 2295 Victoria Ave. Suite 364  
 Fort Myers, FL 33901-3381  
 Attn: Maryann Dugan

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

Comments: Group A: Curry : Metals, Entero x1  
 Group B: Hatchett, Unnamed : E.coli x2  
 Group C: Alligator : Nutrients, E.coli x1  
 Group D: Woodmere : Entero, PCR-HF183, Tracers x1  
 Group E: Gottfried : Entero, Markers, Tracers x1

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

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                                                       |
| TURBIDITY                   | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-BR-IC                     | Template: DEFAULT    | (EPA 300.0) Bromide in aqueous matrices                                                                                                        |
| W-F                         | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                           |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                  |
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| SD-BES-ENT                  | Template: DEFAULT    | (EPA 1600 (MF)) Enterococci by membrane filter method by Benchmark EA South                                                                    |
| Bottle Type: P-500ML        | Number of Bottles: 1 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| W-ICP                       | Template: S-METALS   | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Iron                        |                      |                                                                                                                                                |
| Manganese                   |                      |                                                                                                                                                |
| 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                    |
| Aluminum                    |                      |                                                                                                                                                |
| Antimony                    |                      |                                                                                                                                                |
| Arsenic                     |                      |                                                                                                                                                |
| Cadmium                     |                      |                                                                                                                                                |

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

|                      |                                |                                                                                                        |
|----------------------|--------------------------------|--------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1           | Preserved With: HNO3                                                                                   |
| W-ICPMS              | Template: (EPA 200.8 Rev. 5.4) | Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
| Chromium             |                                |                                                                                                        |
| Copper               |                                |                                                                                                        |
| Lead                 |                                |                                                                                                        |
| Nickel               |                                |                                                                                                        |
| Selenium             |                                |                                                                                                        |
| Silver               |                                |                                                                                                        |
| Thallium             |                                |                                                                                                        |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                            |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                               |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                       |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                      |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                         |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                           |
| Bottle Type: P-125ML | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                               |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

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

|                             |                      |                                                                                                              |
|-----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| SD-BES-ECQ                  | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by Benchmark EA South in North Port |

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

|                             |                      |                                                                                                              |
|-----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| SD-BES-ECQ                  | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by Benchmark EA South in North Port |
| Bottle Type: P-500ML        | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                                                |
| W-NH3                       | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO2NO3                    | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                           |
| W-S-A-TP                    | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                          |
| W-TKN                       | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| W-TOC                       | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                               |
| Bottle Type: P-125ML        | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                                                   |
| W-PO4-F                     | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |
| Bottle Type: P-1L           | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| ALKALINITY                  | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                  |
| TURBIDITY                   | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                           |
| W-CL-IC                     | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                            |
| W-COLOR                     | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                    |
| Color (true)                |                      |                                                                                                              |
| W-F                         | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)         |
| W-SO4-IC                    | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                             |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                    |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                |
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

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

|                             |                      |                                                                                                                                           |
|-----------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| PCR-HF183                   | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| SD-BES-ENT                  | Template: DEFAULT    | (EPA 1600 (MF)) Enterococci by membrane filter method by Benchmark EA South                                                               |
| Bottle Type: BG-500ML       | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| W-E8321-DI                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                   |
| W-E8321-MS                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                   |

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

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

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

|                             |                      |                                                                                         |
|-----------------------------|----------------------|-----------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 1 | Preserved With: ICE                                                                     |
| PCR-FILTER                  | Template: DEFAULT    | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis           |
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                     |
| SD-BES-ENT                  | Template: DEFAULT    | (EPA 1600 (MF)) Enterococci by membrane filter method by Benchmark EA South             |
| Bottle Type: BG-500ML       | Number of Bottles: 1 | Preserved With: ICE                                                                     |
| W-E8321-DI                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |
| W-E8321-MS                  | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |

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

Cooler Packing Worksheet for Request: RQ-2019-04-22-16

Sara Tidal

Ship Cooler On: 4/12/2019

Customer/Project: SO-DIST/SMP

Assigned To: KLUG\_K

Requester: Maryann Dugan

Priority: 3

239-344-5610  
FLDEP South District Office  
2295 Victoria Ave. Suite 364  
Fort Myers, FL 33909  
Attn: Maryann Dugan

Comments:

No preservatives needed.

Group A: Curry : Metals, Enterococcus x1

Group B: Hatchett, Unnamed : E.coli x2

Group C: Alligator : Nutrients, E.coli x1

Group D: Woodmere : Enterococcus, PCR-HF183, Tracers x1

Group E: Gottfried : Enterococcus, Markers, Tracers x1

Requested Analyses:

**Bottle Group: A**

**# of Sites: 1**

Container ID: P-1L

Qty: 1

Preservation: ICE

Lot # 00073854

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY

TURBIDITY

W-BR-IC

W-F

W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO<sub>3</sub>/L

Turbidity in aqueous matrices

Bromide in aqueous matrices

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

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

Container ID: BP-1L

Qty: 1

Preservation: ICE

Lot # 1248230

Description: Brown Plastic Bottle 1L

**Analysis**

CHLSUITE-W

**Description**

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

Container ID: P-250ML-WI-THI

Qty: 1

Preservation: ICE

Lot # L18307

Description: 250 ml Sterilized with tablet

Analysis

SD-BES-ENT

Description

Enterococci by membrane filter method by Benchmark EA South

Container ID: P-500ML

Qty: 1

Preservation: HNO3

Lot # 00073297

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: 1

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: 1

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

Bottle Group: B

# of Sites: 2

Container ID: P-250ML-WI-THI

Qty: 2

Preservation: ICE

Lot # L18307

Description: 250 ml Sterilized with tablet

Analysis

SD-BES-ECQ

Description

Escherichia coli by Colilert 18 Quanti-Tray method by Benchmark EA South in North Port

**Bottle Group: C****# of Sites: 1****Container ID: P-1L****Qty: 1    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: 1    Preservation: ICE****Lot #** 1248230**Description: Brown Plastic Bottle 1L****Analysis**

CHLSUITE-W

**Description**

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

**Container ID: P-250ML-WI-THI****Qty: 1    Preservation: ICE****Lot #** L18307**Description: 250 ml Sterilized with tablet****Analysis**

SD-BES-ECQ

**Description**

Escherichia coli by Colilert 18 Quanti-Tray method by Benchmark EA South in North Port

**Container ID: P-500ML****Qty: 1    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: 1 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

---

**Bottle Group: D**

**# of Sites: 1**

Container ID: QPCR-P-500ML

Qty: 1 Preservation: ICE

Lot # 00071457

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-HF183

Description

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: P-250ML-WI-THI

Qty: 1 Preservation: ICE

Lot # 418307

Description: 250 ml Sterilized with tablet

Analysis

SD-BES-ENT

Description

Enterococci by membrane filter method by Benchmark EA South

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 00072998

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

---

**Bottle Group: E**

**# of Sites: 1**

Container ID: QPCR-P-500ML

Qty: 1 Preservation: ICE

Lot # 00071457

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: P-250ML-WI-THI

Qty: 1

Preservation: ICE

Lot # L18307

Description: 250 ml Sterilized with tablet

Analysis

SD-BES-ENT

Description

Enterococci by membrane filter method by Benchmark EA South

Container ID: BG-500ML

Qty: 1

Preservation: ICE

Lot # 00072998

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Cooler Packed By: AK

Number of Coolers: 1

Date: 4.8.19

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-2019-04-22-16**

## Snorek, Gary

**Subject:** SMP: Sarasota Tidal - GS,SC  
**Location:** Sarasota

**Start:** Mon 4/22/2019 12:00 AM  
**End:** Tue 4/23/2019 12:00 AM  
**Show Time As:** Free

**Recurrence:** (none)

**Organizer:** SharedInfo\_DEAR

**Categories:** Blue Category

Alligator 2030A & Unnamed Ditch both have biology requested.

| WBID  | WATERBODY NAME  | STATION NAME                             | STATION # | RECEIVING WB     | COUNTY   | LAT       | LONG       | KIT       | OTHER                |
|-------|-----------------|------------------------------------------|-----------|------------------|----------|-----------|------------|-----------|----------------------|
| 2009B | Curry Creek     | Curry Creek (Tidal) @ Albee Farm Rd      | G3SD0066  | Roberts Bay      | Sarasota | 27.11769  | -82.43364  | Metals    | Entero               |
| 2015A | Hatchett Creek  | Hatchett Creek @ Pinebrook Rd            | G3SD0103  | Roberts Bay      | Sarasota | 27.089683 | -82.415555 |           | E.Coli               |
| 2030A | Alligator Creek | Alligator @ Jacaranda                    | G2SD0026  | Lemon Bay        | Sarasota | 27.05836  | -82.39513  | Nutrients | E.Coli               |
| 2042  | Woodmere Creek  | Woodmere Creek @ Heron Rd                | G2SD0027  | Lemon Bay        | Sarasota | 27.035588 | -82.414476 |           | Entero, PCR-HF183, T |
| 2050  | Unnamed Ditch   | Unnamed Ditch @ Indiana Ave              | G2SD0022  | Charlotte Harbor | Sarasota | 26.980048 | -82.358748 |           | E.Coli               |
| 2049  | Gottfried Creek | Gottfried Creek @ Deer Creek Mobile Home | G2SD0028  | Lemon Bay        | Sarasota | 26.94693  | -82.346454 |           | Entero, M, T         |

RQ-2019-04-22-16