

# Log-in Checklist

RQ- 2018-12-03-56

Login Station ID: # 3

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 12/28/2018 / 09:40

| Cooler Temperature* | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |          |          |    | Tracking # (fill out only if waybill copy is damaged) |
|---------------------|----------------------------------------|----------|---------------------------------------|---------------|----------|----------|----|-------------------------------------------------------|
|                     | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |          | *Intact? |    |                                                       |
|                     |                                        |          |                                       | Yes           | No       | Yes      | No |                                                       |
| <u>2.2C</u>         |                                        |          | <u>6</u>                              |               | <u>X</u> |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |
|                     |                                        |          |                                       |               |          |          |    |                                                       |

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

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

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

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ✓ No        Date 12-28-18

## CONTAINER CHECK

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

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

\*\*Sufficient Sample Volume: Yes X No       

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes ✓ No        Init: ABS

| 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 X No        NA        Init: ABS

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

Coolers Unpacked/Checked by: ABS Date: 12/28/2018 NCRs (Y/N)?       

Event ID: unnamed Branch NCR #         
CEN-DIST-2018-12-28-02 (SMP)

## Log-in Checklist

### Samples with Incorrect pH Preservation or presence of Chlorine

| Field ID | Bottle Test ID(s) | pH / Cl | Action Taken |
|----------|-------------------|---------|--------------|
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |

### Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

| Cooler ID | Field ID | Bottle Test ID(s) |
|-----------|----------|-------------------|
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |

### Bottles Not Intact

| Field ID | Bottle Test ID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|-------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                   |           | CK          | BR | CK                | BR |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |

### Samples with Insufficient Volume for Analyses

| Field ID | Bottle Test ID(s) | Action Taken |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |

### Additional Comments:

|                            |                       |
|----------------------------|-----------------------|
| Infrared Thermometer ID:   | REC_03_2018           |
| pH Paper 0.0 – 3.0 Lot #   |                       |
| pH Paper 0 – 13 Lot #      | 215517 EXP:06/01/2020 |
| Chlorine Test Strips Lot # | 7226 EXP:2020/07      |

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

unnamed Branch

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By:

Project ID: SMP

Collected By: Mike Linger/Lawrence Orrman

Sampling Agency:

FDEP CE-Roc

|                                                                    |  |                                                                           |  |                                                            |  |                                                                            |                            |                                         |                                  |   |
|--------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|------------------------------------------------------------|--|----------------------------------------------------------------------------|----------------------------|-----------------------------------------|----------------------------------|---|
| Location                                                           |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date 12/27/18 Time 1026 |  | Eastern<br><input checked="" type="checkbox"/> Central                     | Composite end<br>Date Time |                                         | Bottle<br>Group(s)<br>(See pg 2) |   |
| Field                                                              |  | Matrix (type, e.g., Salt, Fresh, etc)<br>Fresh                            |  | Diss. Oxygen<br>5.09                                       |  | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |                            | Total Res. Chlorine<br>(mg/L)           |                                  | A |
| WIN/<br>Unnamed Branch @ 60m<br>Upstream of Airport Road<br>(2641) |  | Temp<br>(C) 17.96                                                         |  | pH 6.82                                                    |  | Sample<br>Depth 0.1                                                        |                            | Sp. Conductance<br>(umho/cm) 349        |                                  |   |
| Latitude                                                           |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               |  | Salinity<br>(ppt)                                          |  | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       |                            | Comments<br>E coli sent to contract lab |                                  |   |
| Location                                                           |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time               |  | Eastern<br><input type="checkbox"/> Central                                | Composite end<br>Date Time |                                         | Bottle<br>Group(s)               |   |
| Field ID                                                           |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen                                               |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            |                            | Total Res. Chlorine<br>(mg/L)           |                                  |   |
| WIN/STORET #                                                       |  | Temp<br>(C)                                                               |  | pH                                                         |  | Sample<br>Depth                                                            |                            | Sp. Conductance<br>(umho/cm)            |                                  |   |
| Latitude                                                           |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               |  | Longitude                                                  |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                |                            | Salinity<br>(ppt)                       |                                  |   |
| Location                                                           |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time               |  | Eastern<br><input type="checkbox"/> Central                                | Composite end<br>Date Time |                                         | Bottle<br>Group(s)               |   |
| Field ID                                                           |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen                                               |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            |                            | Total Res. Chlorine<br>(mg/L)           |                                  |   |
| WIN/STORET #                                                       |  | Temp<br>(C)                                                               |  | pH                                                         |  | Sample<br>Depth                                                            |                            | Sp. Conductance<br>(umho/cm)            |                                  |   |
| Latitude                                                           |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               |  | Longitude                                                  |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                |                            | Salinity<br>(ppt)                       |                                  |   |
| Location                                                           |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            |  | Collection (comp begin or grab)<br>Date Time               |  | Eastern<br><input type="checkbox"/> Central                                | Composite end<br>Date Time |                                         | Bottle<br>Group(s)               |   |
| Field ID                                                           |  | Matrix (type, e.g., Salt, Fresh, etc)                                     |  | Diss. Oxygen                                               |  | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            |                            | Total Res. Chlorine<br>(mg/L)           |                                  |   |
| WIN/STORET #                                                       |  | Temp<br>(C)                                                               |  | pH                                                         |  | Sample<br>Depth                                                            |                            | Sp. Conductance<br>(umho/cm)            |                                  |   |
| Latitude                                                           |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               |  | Longitude                                                  |  | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                |                            | Salinity<br>(ppt)                       |                                  |   |

|                          |                            |                          |                                 |              |           |
|--------------------------|----------------------------|--------------------------|---------------------------------|--------------|-----------|
| Relinquished By:<br>Mick | Date/Time<br>12/27/18 1600 | Shipping Method<br>FedEx | Number of Coolers Shipped:<br>1 | Received By: | Date/Time |
|--------------------------|----------------------------|--------------------------|---------------------------------|--------------|-----------|

|            |                             |                 |                             |                                     |                        |
|------------|-----------------------------|-----------------|-----------------------------|-------------------------------------|------------------------|
| Group: A   | Bottle Type: P-1L           | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1                      |
| ALKALINITY |                             |                 |                             |                                     |                        |
| TURBIDITY  |                             |                 |                             |                                     |                        |
| W-CL-IC    |                             |                 |                             |                                     |                        |
| W-COLOR    |                             |                 |                             |                                     |                        |
| W-F        |                             |                 |                             |                                     |                        |
| W-SO4-IC   |                             |                 |                             |                                     |                        |
| W-TDS      |                             |                 |                             |                                     |                        |
| W-TSS      |                             |                 |                             |                                     |                        |
| Group: A   | Bottle Type: P-120ML-WC-THI | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1 sent to contract lab |
| CD-ERD-EC  |                             |                 |                             |                                     |                        |
| 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: QPCR-P-500ML   | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1                      |
| PCR-FILTER |                             |                 |                             |                                     |                        |
| PCR-HF183  |                             |                 |                             |                                     |                        |
| Group: A   | Bottle Type: BG-500ML       | # of Bottles: 1 | Preservative: ICE           | Enter Number of Bottles Sent to Lab | 1                      |
| W-E8321-DI |                             |                 |                             |                                     |                        |
| W-E8321-MS |                             |                 |                             |                                     |                        |
| Group: A   | Bottle Type: P-500ML        | # of Bottles: 1 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1                      |
| W-NH3      |                             |                 |                             |                                     |                        |
| W-NO2NO3   |                             |                 |                             |                                     |                        |
| W-S-A-TP   |                             |                 |                             |                                     |                        |
| W-TKN      |                             |                 |                             |                                     |                        |
| W-TOC      |                             |                 |                             |                                     |                        |
| Group: A   | Bottle Type: P-125ML        | # of Bottles: 1 | Preservative: FILTER-ICE    | Enter Number of Bottles Sent to Lab | 1                      |
| W-PO4-F    |                             |                 |                             |                                     |                        |

H2SO4  
LOT# SA8274050  
EXP: 10/01/2019

3419 Trentwood Blvd., Suite 102 — Belle Isle (Orlando), FL 32812-4864 — Phone: (407) 855-9465 — Fax: (407) 826-0419

| CUSTODY TRANSFERS |             |          |       | Method of Shipment:                                              |                                                                                       | Received in Cooler: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                |  | pH Checked In Laboratory<br>( $< 2$ s.u.): <input type="checkbox"/> Y <input checked="" type="checkbox"/> N |  |
|-------------------|-------------|----------|-------|------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------|--|
| RELINQUISHED BY   | RECEIVED BY | DATE     | TIME  | Delivered Directly to Lab: <input checked="" type="checkbox"/> X | Temp. Blank Provided <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | Cooler Temp. verification: <u>5°C</u>                                                               |  | pH Lot #: _____                                                                                             |  |
| 1. <i>Orkeli</i>  | <i>Alth</i> | 12-27-18 | 12:48 | Shipped By FedEx: _____                                          | Temperature Blank Cooler #1: _____ °C                                                 | Temperature Blank Cooler #2: _____ °C                                                               |  | Sulfuric Acid: Lot # _____                                                                                  |  |
| 2.                |             |          |       | UPS: _____                                                       | Temperature Blank Cooler #3: _____ °C                                                 | Chlorine Check<br>( $< 0.1$ mg/l): <input type="checkbox"/> Y <input checked="" type="checkbox"/> N |  |                                                                                                             |  |
|                   |             |          |       | Other: _____                                                     |                                                                                       |                                                                                                     |  |                                                                                                             |  |

**COMMENTS:**

**B39585**

Date of Request: 15-NOV-2018  
 Created By: LINGER\_M On: 15-NOV-2018  
 Modified By: JASROTIA\_P On: 20-NOV-2018  
 Customer: CEN-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central District  
 Sampling Event: unnamed Branch

**Send Coolers To:**

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

Program Module Number: 1306  
 Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 20-NOV-2018  
 Biology Request Reviewed By: JASROTIA\_P On: 20-NOV-2018  
 Sampling Kit Required: YES Ship on: 21-NOV-2018  
 Sampling Kit Shipped: YES On: 21-NOV-2018  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 03-DEC-2018  
 Received By: SHAIK\_A On: 28-DEC-2018

**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:

**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-CL-IC                           | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                         |
| W-COLOR                           | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                                                 |
| Color (true)                      |                      |                                                                                                                                           |
| W-F                               | Template: DEFAULT    | (SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                      |
| W-SO <sub>4</sub> -IC             | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                          |
| W-TDS                             | Template: DEFAULT    | (SM 2540 C-97) Total Dissolved Solids in aqueous matrices                                                                                 |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                             |
| Bottle Type: P-120ML-WC-THI       | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| CD-ERD-EC                         | Template: DEFAULT    | (EPA 1603) Escherichia coli by membrane filter method by ERD Laboratory                                                                   |
| 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: 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                                                             |
| 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: BG-500ML             | Number of Bottles: 1 | Preserved With: ICE                                                                                                                       |
| W-E8321-DI                        | Template:            | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                   |
| W-E8321-MS                        | Template: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                   |
| Bottle Type: P-500ML              | Number of Bottles: 1 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                                                    |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                |
| W-NO <sub>2</sub> NO <sub>3</sub> | 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                                                                       |

---

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

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

---

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

INCN: 4405 5635 9378

ORIGIN ID: TLHA (407) 894-7555  
MIKE LINGER  
FL DEP CENTRAL DISTRICT  
3319 MAGUIRE BLVD STE 232

SHIP DATE: 21NOV18  
ACTWGT: 10.00 LB HAN  
CAD: 0446970/CAFE3211

ORLANDO, FL 328033767  
UNITED STATES US

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

**TALLAHASSEE FL 32399**

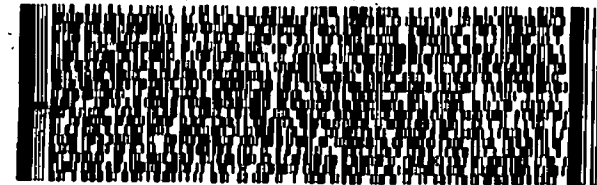
(850) 245-8077

REF1

TRK1

DEPT1

RMA: 011 0000 001



**FedEx**  
Express



**FedEx**

TRK#  
0221

4385 5035 9378

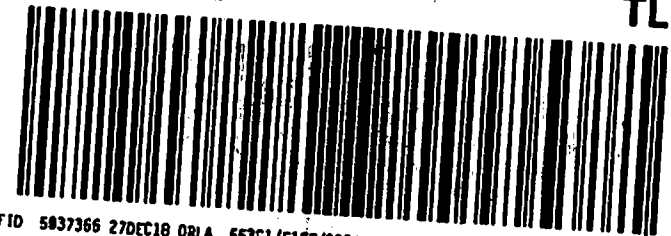
RETURNS MON - FRI

**FRI - 28 DEC 10:30A**  
**PRIORITY OVERNIGHT**

**36 TLHA**

**32399**

FL-US  
TLH



FID 5837366 27DEC18 ORLA 553C1/F1FE/0C8A



SEE NOTICE ON REVERSE regarding LPS terms, and notice of Restrictions of Liability, which are offered for use, shipper certifies that the contents, technology or software were imported from the US in accordance with the Export Administration Regulations. Certain country to use is prohibited.