

RQ- 2019-10-28-58

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 1/30/2020 @ 10:35

| Cooler Temperature* | Samples Frozen<br>YES | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking #<br>Damaged waybills only |
|---------------------|-----------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|-------------------------------------|
|                     |                       | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |    | *Intact? |    |                                     |
|                     |                       |                                        |          |                                       | Yes           | No | Yes      | No |                                     |
| 34                  |                       |                                        |          | 4                                     |               | ✓  |          |    | 1278 408 5379                       |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |
|                     |                       |                                        |          |                                       |               |    |          |    |                                     |

\*All samples received on ice unless otherwise noted. If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), received without ice, or if Evidence Seal is damaged; identify the containers in the affected cooler(s) on back of this form. HNO<sub>3</sub> and Formalin preserved samples do **NOT** have a temperature requirement. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation; An NCR still is required.**

\*\*Chain of Custody/ Field Sheet(s) Included? Yes ☒ No ☐Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ☐ No ☒**\*\*Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

## 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: IM

Chlorine detected? (One container checked per Field ID)

Yes ☐ No ☐ Init: ☐

If "YES", list affected Field IDs and Test IDs below.

| Field ID | List TestID(s) where Chlorine was Detected, an NCR is required. |
|----------|-----------------------------------------------------------------|
|          |                                                                 |
|          |                                                                 |
|          |                                                                 |
|          |                                                                 |

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

\*\*Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: IM\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☒ NA ☐ Init: IM

Coolers Unpacked/Checked by: IM Date: 1/30/2020

NCRs (Y/N)? ☒Event ID: Charles Lk + LVI  
CEN-DIST-2020-01-30-02 (SMP)  
Date Received: 30-JAN-2020 22:35NCR # ☐

# 

### Samples with Incorrect pH Preservation

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

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

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

### Bottles Not Intact

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

### Samples with Insufficient Volume for Analyses

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

### Additional Comments:

|                            |                          |
|----------------------------|--------------------------|
| Infrared Thermometer ID:   | REC_02_2018 EXP: 4/29/20 |
| pH Test Strips 0 – 6 Lot # |                          |
| pH Paper 0 – 3 Lot #       |                          |
| pH Paper 0 – 13 Lot #      | 215517 EXP: 6/1/20       |
| Chlorine Test Strips Lot # | 8261 EXP: 7/2020         |

### ENCORE SAMPLES

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

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

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

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

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

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

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

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

## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## Strategic Monitoring Program

CHAIN OF CUSTODY FORMDate: 01/29/2020Collected By: Luif Boman / Elizabeth BatesCustomer: CON - DIST / SMPSampling Agency: FDEP - CEROLRQ - 2019-10-28-58Project ID: SMPNumber of Coolers Shipped: 1

**PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB.**

**FIELD ID (Labels) submitted under this RQ for this collection date.**

WIN ID / Field ID →

Lake Otting @ Center of Lake



G4CE0176

RELINQUISHED BY (SIGNATURE): [Signature]DATE/TIME: 01/29/2020☒ EST  
☐ CST**THIS SECTION IS TO BE COMPLETED BY THE LABORATORY**Received/ Inspected By (signature): [Signature]Received/ Inspected Date: 1/30/20Received/ Inspected Time: 10:35☒ EST  
☐ CSTSample Receipt Temperature (Degrees Centigrade): 3.4

19 <sup>LB</sup>  
RQ-2020-10-28-58Customer: CEN-DIST-LBProject ID: JMPCollected By: Leif Boman, Elizabeth BatesField Report Prepared By: Leif BomanSampling Agency: CEN-DIST-LB

| WIN ID / Field ID →                              |       |                                                                                                                                                                                                                                                                                                                                                                           |           |            |      | Comments:                                                                               |                 |                                        |                         |                |
|--------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------|-----------------------------------------------------------------------------------------|-----------------|----------------------------------------|-------------------------|----------------|
| Lake Otting @ Center of Lake                     |       |                                                                                                                                                                                                                                                                                                                                                                           |           |            |      |                                                                                         |                 |                                        |                         |                |
| <br>G4CE0176                                     |       |                                                                                                                                                                                                                                                                                                                                                                           |           |            |      |                                                                                         |                 |                                        |                         |                |
| Matrix: <u>Fresh</u> / Marine                    |       |                                                                                                                                                                                                                                                                                                                                                                           |           |            |      | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                 |                                        |                         |                |
| Date                                             | Time  | DO (mg/L)                                                                                                                                                                                                                                                                                                                                                                 | DO (%SAT) | Temp. (C°) | pH   | Sample Depth (m)                                                                        | Secchi Disk (m) | Total Depth (m)                        | Sp COND (µmhos/cm)      | Salinity (PPT) |
| 01/29/20                                         | 11:45 | 7.17                                                                                                                                                                                                                                                                                                                                                                      | 72.5      | 15.9       | 6.93 | 3                                                                                       | 1.9             | 1.9                                    | 117.0                   | 0.05           |
| EST / CST                                        |       |                                                                                                                                                                                                                                                                                                                                                                           |           |            |      |                                                                                         |                 |                                        |                         |                |
| Cental Lab please use top row for login purposes |       |                                                                                                                                                                                                                                                                                                                                                                           |           |            |      |                                                                                         |                 |                                        |                         |                |
|                                                  |       | 6.87                                                                                                                                                                                                                                                                                                                                                                      | 69.4      | 15.8       | 6.85 | 1.4                                                                                     |                 |                                        | 117.1                   | 0.05           |
| EST / CST                                        |       |                                                                                                                                                                                                                                                                                                                                                                           |           |            |      |                                                                                         |                 |                                        |                         |                |
| Parameter Suite                                  |       | Parameter Methods                                                                                                                                                                                                                                                                                                                                                         |           |            |      | Preservation                                                                            |                 | pH Check                               | # Bottles sent to Lab   | Bottle Group   |
| Preserved Nutrients (P-500ML)                    |       | <input checked="" type="checkbox"/> W-NH3 / <input checked="" type="checkbox"/> W-NO2NO3 / <input checked="" type="checkbox"/> W-TKN / <input checked="" type="checkbox"/> W-TOC / <input checked="" type="checkbox"/> W-S-A-TP                                                                                                                                           |           |            |      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4*      |                 | <input checked="" type="checkbox"/> <2 | 1                       | A              |
|                                                  |       | Lot #                                                                                                                                                                                                                                                                                                                                                                     |           | SA9301030  |      | Exp:                                                                                    |                 | 10/28/20                               |                         |                |
| Metals (P-500ML)                                 |       | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP <input type="checkbox"/> W-HARD                                                                                                                                                                                                                                                                           |           |            |      | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3*                             |                 | <input type="checkbox"/> <2            |                         |                |
|                                                  |       | Lot #                                                                                                                                                                                                                                                                                                                                                                     |           |            |      | Exp:                                                                                    |                 |                                        |                         |                |
| Filtered Nutrients (P125ML)                      |       | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                                                                                                             |           |            |      | <input checked="" type="checkbox"/> Ice                                                 |                 |                                        | 1                       | A              |
|                                                  |       | Filter Lot #                                                                                                                                                                                                                                                                                                                                                              |           | 10930280   |      |                                                                                         |                 |                                        |                         |                |
|                                                  |       | Syringe Lot #                                                                                                                                                                                                                                                                                                                                                             |           | 9149785    |      |                                                                                         |                 |                                        |                         |                |
| Chlorophyll (BP-1L)                              |       | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                                                                                            |           |            |      | <input checked="" type="checkbox"/> Ice                                                 |                 |                                        | 1                       | A              |
| Physical/Aggregate (Fresh) (P-1L)                |       | <input checked="" type="checkbox"/> Alkalinity / <input checked="" type="checkbox"/> W-F / <input checked="" type="checkbox"/> W-TSS / <input checked="" type="checkbox"/> TURBIDITY / <input checked="" type="checkbox"/> W-CHC / <input checked="" type="checkbox"/> W-COLOR / <input checked="" type="checkbox"/> W-S04-IC / <input checked="" type="checkbox"/> W-TDS |           |            |      | <input checked="" type="checkbox"/> Ice                                                 |                 |                                        | 1                       | A              |
| Physical/Aggregate (Marine) (P-1L)               |       | <input type="checkbox"/> Alkalinity / <input type="checkbox"/> W-BR-IC / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY                                                                                                                                                                                               |           |            |      | <input type="checkbox"/> Ice                                                            |                 |                                        |                         |                |
| Macroinvertebrates (PJ-2L)                       |       | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                                                                                                       |           |            |      | <input type="checkbox"/> Formalin                                                       |                 |                                        |                         |                |
| Periphyton (PT-50ML)                             |       | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                                                                                                         |           |            |      | <input type="checkbox"/> Ice                                                            |                 |                                        |                         |                |
| Microbiology (Contract Lab Bottle)               |       | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                                                                                                                                                                      |           |            |      | <input type="checkbox"/> Ice                                                            |                 |                                        |                         |                |
| Molecular (QPCR-P-500ML)                         |       | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD <input type="checkbox"/> See Notes                                                                                                                                                           |           |            |      | <input type="checkbox"/> Ice                                                            |                 |                                        |                         |                |
| Tracers (BG-500ML)                               |       | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                                                                                                                                                                   |           |            |      | <input type="checkbox"/> Ice                                                            |                 |                                        |                         |                |
| Pesticides (BG-500ML) (BG-1L)                    |       | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution)                                                                                                                   |           |            |      | <input type="checkbox"/> Ice                                                            |                 |                                        |                         |                |
|                                                  |       |                                                                                                                                                                                                                                                                                                                                                                           |           |            |      |                                                                                         |                 |                                        |                         |                |
| Name: <u>Leif Boman</u>                          |       |                                                                                                                                                                                                                                                                                                                                                                           |           |            |      | Signature: <u>[Signature]</u>                                                           |                 |                                        | Date: <u>01/29/2020</u> |                |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution

Date of Request: 10-OCT-2019  
 Created By: LINGER\_M On: 10-OCT-2019  
 Modified By: JASROTIA\_P On: 14-OCT-2019  
 Customer: CEN-DIST  
 Project: SMP  
 Division:  
 District: Central District  
 Sampling Event: Charles Lk + LVI

**Send Coolers To:**

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

Program Module Number: 1306  
 Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 14-OCT-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 14-OCT-2019  
 Sampling Kit Required: YES Ship on: 17-OCT-2019  
 Sampling Kit Shipped: YES On: 17-OCT-2019  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 28-OCT-2019  
 Received By:

**Send Final Report To:**

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

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

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

|                                   |                      |                                                                                                              |
|-----------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L                 | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| ALKALINITY                        | Template: DEFAULT    | (SM 2320 B-2011) 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-2011) True Color measured at 450 nm (not valid for NPDES monitoring)                              |
| Color (true)                      |                      |                                                                                                              |
| W-F                               | Template: DEFAULT    | (SM 4500 F-C-2011) 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-2011) Total Dissolved Solids in aqueous matrices                                                  |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-2011) 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-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                                          |
| W-TKN                             | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                             |
| W-TOC                             | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                             |
| Bottle Type: P-125ML              | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                                                   |
| W-PO <sub>4</sub> -F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |