

# Login Checklist

RQ- **2022 - 07 - 11 - 28**

Login Station ID: **# 3**

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: **07/12/2022 / 09:55**

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                 |                                        |          |                                       | Present?      |    | *Intact? |    |                    |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                    |
| 1.1C                |                 |                                        |          | 5                                     |               | X  |          |    | 5225 5547 3690     |
| 2.7C                |                 |                                        |          | 6                                     |               | X  |          |    | 5225 5548 1275     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO3 and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. **NCR#** \_\_\_\_\_
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. **NCR#** \_\_\_\_\_
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. **NCR#** \_\_\_\_\_
- If coolers or samples are received late; identify the affected samples in an NCR. **NCR#** \_\_\_\_\_

Chain of Custody/ Field Sheet(s) Included?

Yes **X** No \_\_\_\_\_

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes \_\_\_\_\_ No **X**

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA **X**

Evidence Tape intact? Yes \_\_\_\_\_ No \_\_\_\_\_

If Criminal, photographs taken?

Yes \_\_\_\_\_ No \_\_\_\_\_

Containers intact? Yes **X** No \_\_\_\_\_

Caps on tight?

Yes **X** No \_\_\_\_\_

Sufficient Sample Volume:

Yes **X** No \_\_\_\_\_

If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. **NCR#** \_\_\_\_\_

**CHLORINE CHECK REQUIRED?** (Blue dot on container)

Yes **X** No \_\_\_\_\_ Init: **ABS /**

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No **X** Init: **ABS /**

If chlorine is detected, generate an NCR listing affected sample IDs . **NCR#** \_\_\_\_\_

**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 /**

If samples were not preserved correctly, generate an NCR listing affected sample IDs . **NCR#** \_\_\_\_\_

Coolers Unpacked/Checked by: **ABS /**

Date: **07/12/2022**

Event contains NCRs (Y/N)? **N**

Event ID:

**CEN - DIST - 2022 - 07- 12 - 0 4**

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                                      |
|--------------------------|--------------------------------------|
| Infrared Thermometer ID: | IRTG # 3 EXP:10/19/2022              |
| pH Test Strips 0 – 6     | LOT#223819AV EXP:8/30/2023           |
| pH Paper 0 – 3           | N/A                                  |
| pH Paper 0 – 13          | LOT 207621 EXP:3/15/2024             |
| Chlorine Test Strips     | 0264/2023/05 abs<br>0070 / 2023 / 02 |

### ENCORE SAMPLES

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

Were Encore samples received? Yes \_\_\_\_\_ Init: ABS

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

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

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

**If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_**

**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: \_\_\_\_\_



|                                                                                                                                 |                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| RQ-2022-07-11-28                                                                                                                | Collected By: Terry Riordan, Victoria Schwartz                                                          |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Terry Riordan, Victoria Schwartz                                              |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                                                                   |
| WIN ID/Field ID: <br>WIN ID/Field ID: G4CE0206 | Comments: Please log in PKD-QN-BV & DTY-QN-C under a separate event with priority 12, Bottle Group - A. |

**Location:**  
Location: Tiger Lake near Center

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. © | pH  | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |
|---------------------|-----------|-----------|---------|-----|------------------|--------------|-----------------|---------------------|----------------|
| 7/11/2022<br>1233   | 7.71      | 103.9     | 31.1    | 8.3 | 0.3              | 0.4          | 2.4             | 162                 | 0.07           |

| Parameter Suite                    | Parameter Methods |                                                                              |                |                                          | Preservation                  |             | pH Check |           | # Bottles sent to Lab | Bottle Group |       |   |    |   |   |
|------------------------------------|-------------------|------------------------------------------------------------------------------|----------------|------------------------------------------|-------------------------------|-------------|----------|-----------|-----------------------|--------------|-------|---|----|---|---|
| Preserved Nutrients (P-500ML)      | X                 | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |                |                                          | X                             | Ice         | X        | H2SO4*    | X                     | <2           | 1     | A |    |   |   |
|                                    |                   | Lot #                                                                        |                | 132683                                   | Exp:                          | 12/18/22    |          |           |                       |              |       |   |    |   |   |
| Metals (P-500ML)                   | X                 | W-ICPMS                                                                      |                | X                                        | W-ICP                         | X           | W-HARD   | X         | Ice                   | X            | HNO3* | X | <2 | 1 | A |
|                                    |                   | Lot #                                                                        |                | NA1286110                                | Exp:                          | 11/16/22    |          |           |                       |              |       |   |    |   |   |
| Filtered Nutrients (P125ML)        | X                 | W-PO4-F                                                                      |                | X                                        | Field Filtered 0.45 µm Filter |             |          | X         | Ice                   |              | 1     | A |    |   |   |
|                                    |                   | Filter Lot #                                                                 | 17413308       | Syringe Lot #                            | 1335260                       |             |          |           |                       |              |       |   |    |   |   |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                   |                |                                          |                               |             | Ice      |           |                       |              |       |   |    |   |   |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                   |                |                                          |                               | X           | Ice      |           |                       | 1            | A     |   |    |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS |                |                                          |                               | X           | Ice      |           |                       | 1            | A     |   |    |   |   |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                |                                          |                               |             | Ice      |           |                       |              |       |   |    |   |   |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                   | Formalin Lot # |                                          |                               |             | Formalin |           |                       |              |       |   |    |   |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                     |                |                                          |                               |             | Ice      |           |                       |              |       |   |    |   |   |
| Microbiology (Contract Lab Bottle) |                   | E Coll                                                                       |                | F Coll                                   |                               | Enterococci |          | Ice       |                       |              |       |   |    |   |   |
|                                    |                   | Contract Lab                                                                 |                |                                          |                               |             |          |           |                       |              |       |   |    |   |   |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                    |                |                                          | PCR-BacR                      |             | PCR-DG3  |           | Ice                   |              |       |   |    |   |   |
|                                    |                   | PCR-GULL2                                                                    |                |                                          | PCR-GFD                       |             |          |           |                       |              |       |   |    |   |   |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                   |                |                                          | W-E8321-MS                    |             |          | Ice       |                       |              |       |   |    |   |   |
| Pesticides (BG-500ML) (BG-1L)      | X                 | W-E8321-DI                                                                   | X              | W-E8321-MS                               | X                             | W-PSNP-TQ   |          | MCAA Exp. | MCAA Lot#             |              | 5     | A |    |   |   |
|                                    |                   | W-PCL-TQ-R                                                                   |                | W-CARB-AA (5 ml of MCAA Buffer Solution) |                               | W-CT-CL-R   | X        | Ice       |                       |              |       |   |    |   |   |
|                                    | X                 | W-TR-SQ-R                                                                    |                | W-PCB-TQ-R                               |                               |             |          |           |                       |              |       |   |    |   |   |
| Phytoplankton                      | X                 | DTY-QN-C                                                                     |                | X                                        | PKD-QN-BV                     |             | X        | Ice       |                       |              | 1     | A |    |   |   |

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 7/11/2022  
**Customer:** CEN-DIST  
**RQ:** RQ-2022-07-11-28  
**Collected By:** Terry Riordan, Victoria Schwartz  
**Sampling Agency:** FDEP  
**Project ID:** SMP

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

**Number of Coolers Shipped:** 2 **Delivery Method:** FedEx

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

| Site Location          | Field ID/WIN ID                                                                                |
|------------------------|------------------------------------------------------------------------------------------------|
| Tiger Lake near Center | <br>G4CE0206 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 7/11/2022  
1600 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:** A.SHAIK

**Rec'd/Inspected**  
**Date:** 07/12/2022

Date of Request: 16-JUN-2022  
 Created By: BEARDEN\_M On: 16-JUN-2022  
 Modified By: JASROTIA\_P On: 12-JUL-2022  
 Customer: CEN-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central District  
 Event Description: Smart and Tiger Lakes

**Send Coolers To:**

Phone: 407-897-4123  
 FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Matthew Bearden  
 Cooler Ship EMail: matthew.bearden@floridadep.gov

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: JASROTIA\_P On: 12-JUL-2022  
 Biology Request Reviewed By: JASROTIA\_P On: 12-JUL-2022  
 Sampling Kit Required: NO Ship on:  
 Sampling Kit Shipped: YES On: 28-JUN-2022  
 Sampling Kit Packed By: MCCOY\_I  
 Preservatives Needed: NO  
 Date to Receive Samples: 11-JUL-2022  
 Logged In By: SHAIK\_A On: 12-JUL-2022

**Send Final Report To:**

FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Matthew Bearden  
 Report Notification EMail:  
 matthew.bearden@floridadep.gov; victoria.schwartz@floridadep.gov

Comments: #####  
 W-TR-SQ-R (sunscreens)

Wash your hands thoroughly and wear gloves. Refrain from using sunscreens on the day of sample collection.

#####

Please log in PKD-QN-BV and DTY-QN-C under a separate event with priority 12, Bottle Group - C

**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    | (DEP SOP: NU-094-1) 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: 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: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                        |
| Bottle Type: P-500ML  | Number of Bottles: 1 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| W-HARD                | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO <sub>3</sub>                                              |
| Hardness              |                      |                                                                                                                                                |
| W-ICP                 | Template: SMP-FRESH  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium               |                      |                                                                                                                                                |
| Iron                  |                      |                                                                                                                                                |

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template: SMP-FRESH  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |

Magnesium  
Potassium  
Sodium  
Strontium  
Tin  
Titanium  
Vanadium  
Zinc

|         |                   |                                                                                                                             |
|---------|-------------------|-----------------------------------------------------------------------------------------------------------------------------|
| W-ICPMS | Template: DEFAULT | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
|---------|-------------------|-----------------------------------------------------------------------------------------------------------------------------|

\*Boron  
Aluminum  
Antimony  
Arsenic  
Barium  
Beryllium  
Cadmium  
Chromium  
Cobalt  
Copper  
Lead  
Manganese  
Molybdenum  
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-2011) 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: BG-1L   | Number of Bottles: 4 | Preserved With: ICE                                                                      |
| W-PSNP-TQ            | Template: DEFAULT    | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS       |
| W-TR-SQ-R            | Template: DEFAULT    | (EPA 8270E) Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM   |

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

|                       |                      |                                                                                         |
|-----------------------|----------------------|-----------------------------------------------------------------------------------------|
| 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: SMP        | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |

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

|                    |                      |                                                                                               |
|--------------------|----------------------|-----------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 1 | Preserved With: Lugols                                                                        |
| DTY-QN-C           | Template: DEFAULT    | (SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample.                         |
| PKD-QN-BV          | Template: DEFAULT    | (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample w/speciation and cell counts. |

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