

# Login Checklist

RQ-2023-06-05-29

Login Station ID: #4

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 06/ 9 /2023@09:14

| *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 |                    |
| 2.4                 |                 |                                        |          | 10                                    |               | X  |          |    | 585947363660       |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## 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/ FieldSheet(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 ~~X~~ Init: TL

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No X Init: TL

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: TL

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

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

Coolers Unpacked/Checked by: TL Date: 06/ 9 /2023 Event contains NCRs (Y/N)? N

Event ID: CEN-DIST-2023-06-09-01

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                                 |
|--------------------------|---------------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #4 Exp:10/17/2023   |
| pH Test Strips 0 – 6     | LOT# 223819AV Exp: AUG 30, 2023 |
| pH Paper 0 – 3           | N/A                             |
| pH Paper 0 – 13          | LOT# 207621 Exp: March 15, 2024 |
| Chlorine Test Strips     | LOT# 1196 Exp: Feb. 2024        |

### ENCORE SAMPLES

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

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

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# \_\_\_\_\_

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 6/8/2023      **Collected By:** Leif Boman, Victoria Schwartz  
**Customer:** CEN-DIST      **Sampling Agency:** FDEP  
**RQ:** RQ-2023-06-05-29      **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:** 1

**Delivery Method:** FedEx

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

| Site Location         | Field ID/WIN ID                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------|
| LAKE MACY NEAR CENTER | <br>G2CE0269 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 6/8/2023 1600  
EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:** TL

**Rec'd/Inspected** 6/9/23  
**Date:**

**Collected By:** Leif Boman, Victoria Schwartz

**Field Report Prepared by:** Leif Boman, Victoria Schwartz

**Sampling Agency: FDEP**

**Comments:**

**Location:** LAKE MACY NEAR CENTER

Matrix: Fresh

(Check One)

✓ Grab

☐ Composite

| Date and Time {EST}                | DO (mg/L) | DO (%SAT)                            | Temp. °C                                                                     | pH                                       | Sample Depth (m) | Secchi Depth                  | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT <sub>h</sub> ) |                       |              |           |   |         |   |   |
|------------------------------------|-----------|--------------------------------------|------------------------------------------------------------------------------|------------------------------------------|------------------|-------------------------------|-----------------|---------------------|------------------------------|-----------------------|--------------|-----------|---|---------|---|---|
| 6/8/2023<br>1305                   | 5.19      | 67                                   | 28.6                                                                         | 6.37                                     | 0.3              | 1.5                           | 2.2             | 138.9               | 0.06                         |                       |              |           |   |         |   |   |
| 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 #                                |                                                                              | SA3013020                                |                  | Exp:                          |                 | 1/25/24             |                              |                       |              |           |   |         |   |   |
| Metals (P-500ML)                   |           | X                                    | W-ICPMS                                                                      |                                          | X                | W-ICP                         | X               | W-HARD              | X                            | Ice                   | X            | HN03*     | X | <2      | 1 | A |
|                                    |           | Lot #                                |                                                                              | NA2230040                                |                  | Exp:                          |                 | 9/1/23              |                              |                       |              |           |   |         |   |   |
| Filtered Nutrients (P125ML)        |           | X                                    | W-PO4-F                                                                      |                                          | X                | Field Filtered 0.45 um Filter |                 | X                   | Ice                          |                       |              | 1         | A |         |   |   |
|                                    |           | Filter Lot #                         |                                                                              | 17769663                                 |                  | Syringe Lot #                 |                 |                     |                              |                       |              |           |   | 2327923 |   |   |
| 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 Coli                               |                                                                              | F Coli                                   |                  | 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-M5                               |                  |                               | Ice             |                     |                              |                       |              |           |   |         |   |   |
| Pesticides (BG-500ML) (BG-1L)      |           | X                                    | W-E8321-DI                                                                   | X                                        | W-E8321-M5       |                               | X               | W-PSNP-TQ           | X                            | Ice                   | MCAA Exp.    | MCAA Lot# | 5 | A       |   |   |
|                                    |           | W-PCL-TQ-R                           |                                                                              | W-CARB-AA (5 ml of MCAA Buffer Solution) |                  | W-CT-CL-R                     |                 |                     |                              |                       |              |           |   |         |   |   |
|                                    |           | X                                    | W-TR-SQ-R                                                                    |                                          | W-PCB-TQ-R       |                               |                 |                     |                              |                       |              |           |   |         |   |   |
| Phytoplankton                      |           | DTY-QN-C                             |                                                                              | PKD-QN-BV                                |                  |                               | Ice             |                     |                              |                       |              |           |   |         |   |   |
| DOC                                |           | W-DOC                                |                                                                              | Field Filtered 0.45 um Filter            |                  |                               | Ice             |                     | H2SO 4*                      |                       | <2           |           |   |         |   |   |
|                                    |           |                                      |                                                                              | Acid Preservative Expiration Date        |                  |                               |                 |                     |                              |                       |              |           |   |         |   |   |
|                                    |           |                                      |                                                                              | Acid Preservative Lot Number             |                  |                               |                 |                     |                              |                       |              |           |   |         |   |   |

Date of Request: 01-MAY-2023  
 Created By: BEARDEN\_M On: 01-MAY-2023  
 Modified By: JASROTIA\_P On: 16-MAY-2023  
 Customer: CEN-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central District  
 Event Description: Lake Gleason and Macy EL VEE EYES

**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: AYRES\_J On: 16-MAY-2023  
 Biology Request Reviewed By: JASROTIA\_P On: 16-MAY-2023  
 Sampling Kit Required: YES Ship on: 26-MAY-2023  
 Sampling Kit Shipped: YES On: 23-MAY-2023  
 Sampling Kit Packed By: PENDLETO\_C  
 Preservatives Needed: NO  
 Date to Receive Samples: 09-JUN-2023  
 Logged In By: LEBRUN\_T On: 09-JUN-2023

**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;jessie.atchison@floridadep.gov  
 v

**Comments:****Bottle Group A (Water) With 2 Samples:**

|                       |                      |                                                                                                                                                |
|-----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L     | Number of Bottles: 2 | 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-SO4-IC              | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS                 | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                                                                    |
| W-TSS                 | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                |
| Bottle Type: BP-1L    | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W            | Template: DEFAULT    | (SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                          |
| Bottle Type: BG-500ML | Number of Bottles: 2 | 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: 2 | 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                  |                      |                                                                                                                                                |
| Magnesium             |                      |                                                                                                                                                |
| Potassium             |                      |                                                                                                                                                |
| Sodium                |                      |                                                                                                                                                |
| Strontium             |                      |                                                                                                                                                |
| Tin                   |                      |                                                                                                                                                |

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

|                       |                      |                                                                                                                                                |
|-----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML  | Number of Bottles: 2 | 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 |
| Titanium              |                      |                                                                                                                                                |
| Vanadium              |                      |                                                                                                                                                |
| Zinc                  |                      |                                                                                                                                                |
| Bottle Type: P-500ML  | Number of Bottles: 2 | Preserved With: HNO3                                                                                                                           |
| 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                    |
| Aluminum              |                      |                                                                                                                                                |
| Antimony              |                      |                                                                                                                                                |
| Arsenic               |                      |                                                                                                                                                |
| Barium                |                      |                                                                                                                                                |
| Beryllium             |                      |                                                                                                                                                |
| Boron                 |                      |                                                                                                                                                |
| Cadmium               |                      |                                                                                                                                                |
| Chromium              |                      |                                                                                                                                                |
| Cobalt                |                      |                                                                                                                                                |
| Copper                |                      |                                                                                                                                                |
| Lead                  |                      |                                                                                                                                                |
| Manganese             |                      |                                                                                                                                                |
| Molybdenum            |                      |                                                                                                                                                |
| Nickel                |                      |                                                                                                                                                |
| Selenium              |                      |                                                                                                                                                |
| Silver                |                      |                                                                                                                                                |
| Thallium              |                      |                                                                                                                                                |
| Bottle Type: P-500ML  | Number of Bottles: 2 | Preserved With: ICE And H2SO4                                                                                                                  |
| W-NH3                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                     |
| W-NO2NO3              | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                                             |
| W-S-A-TP              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                            |
| W-TKN                 | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                               |
| W-TOC                 | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                                                                               |
| Bottle Type: P-125ML  | Number of Bottles: 2 | Preserved With: FILTER-ICE                                                                                                                     |
| W-PO4-F               | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                       |
| Bottle Type: BG-500ML | Number of Bottles: 6 | 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                                                         |

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