

# Login Checklist

RQ- 2023-06-12-30

Login Station ID: #3

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 6/14/23 @ 0920

| *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 |                    |
| 2.9                 |                 |                                        |          | 10                                    |               | x  |          |    | 58594736503        |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## 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: BKK

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No X Init: BKK

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: BKK

\*\*W-1-4-DIOX (Green dot on container) preserved to pH< 4.0?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA X Init: BKK

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

Coolers Unpacked/Checked by: BKK

Date: 6/14/23

Event contains NCRs (Y/N)? N

EventID: CEN-DIST-2023-06-14-03 (SMP)

Date Received: 14-JUN-2023 09:20

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                               |
|--------------------------|-------------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #3 Exp:10/17/2023 |
| pH Test Strips 0 – 6     | Lot#223819AV   Exp:8/30/23    |
| pH Paper 0 – 3           |                               |
| pH Paper 0 – 13          | Lot#210620   Exp:4/15/23      |
| Chlorine Test Strips     | Lot#1196   Exp:2/24           |

### 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:** 6/13/2023 **Collected By:** Leif Boman, Victoria Schwartz  
**Customer:** CEN-DIST **Sampling Agency:** FDEP  
**RQ:** RQ-2023-06-12-30 **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 RO for this collection date.**

| Site Location                     | Field ID/WIN ID                                                                                |
|-----------------------------------|------------------------------------------------------------------------------------------------|
| BUCK LAKE (NEAR GENEVA) AT CENTER | <br>G2CE0272 |

RELINQUISHED BY (SIGNATURE):



DATE/TIME: 6/13/2023

1600 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By:



Rec'd/Inspected

Date:

6/14/23 0920



RQ-2023-06-12-30

Customer: FDEP

Project ID: SMP

Collected By: Leif Boman, Victoria Schwartz

Field Report Prepared by: Leif Boman, Victoria Schwartz

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G2CE0272

Comments:

Location: BUCK LAKE (NEAR GENEVA)AT 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 (PPTH) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|-----------------|
| 6/13/2023<br>1242   | 7.37      | 98.4      | 30.5     | 6.31 | 0.3              | 2            | 3.5             | 104.3               | 0.05            |

  

| 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            | Ice                                      | X        | HNO3*  | X                     | <2           | 1 | A   |           |           |   |   |
|                                    |                   | Lot #                                                                       | NA2230040      | Exp:          | 9/1/23       |                                          |          |        |                       |              |   |     |           |           |   |   |
| Filtered Nutrients (P125ML)        | X                 | W-PO4-F                                                                     |                |               | X            | Field Filtered 0.45 µm Filter            |          |        | 1                     | A            |   |     |           |           |   |   |
|                                    |                   | Filter Lot #                                                                | 17769663       | Syringe Lot # | 2327923      |                                          |          |        |                       |              |   |     |           |           |   |   |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                  |                |               | X            | Ice                                      |          |        |                       |              |   |     |           |           |   |   |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                  |                |               | X            | Ice                                      |          |        |                       |              |   |     |           |           |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS |                |               | X            | Ice                                      |          |        |                       |              |   |     |           |           |   |   |
| 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                                      |          |        |                       |              |   |     |           |           |   |   |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                   | PCR-BacR       | PCR-DG3       |              | Ice                                      |          |        |                       |              |   |     |           |           |   |   |
|                                    |                   | PCR-GULL2                                                                   | PCR-GFD        |               |              | Ice                                      |          |        |                       |              |   |     |           |           |   |   |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                  |                |               |              | W-E8321-MS                               |          |        |                       |              |   |     |           |           |   |   |
|                                    |                   | W-E8321-DI                                                                  |                |               |              | W-E8321-MS                               |          |        |                       |              |   |     |           |           |   |   |
| Pesticides (BG-500ML) (BG-1L)      | X                 | W-E8321-DI                                                                  |                |               | 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) |          |        |                       |              |   |     |           |           |   |   |
|                                    | X                 | W-TR-SQ-R                                                                   |                |               |              | W-PCB-TQ-R                               |          |        |                       |              |   |     |           |           |   |   |
| Phytoplankton                      |                   | DTY-QN-C                                                                    |                |               |              | PKD-QN-BV                                |          |        |                       |              |   |     |           |           |   |   |
| DOC                                |                   | W-DOC                                                                       |                |               |              | Field Filtered 0.45 µm Filter            |          |        |                       |              |   |     |           |           |   |   |
|                                    |                   |                                                                             |                |               |              | Acid Preservative Expiration Date        |          |        |                       |              |   |     |           |           |   |   |
|                                    |                   |                                                                             |                |               |              | Acid Preservative Lot Number             |          |        |                       |              |   |     |           |           |   |   |

Date of Request: 15-MAY-2023  
 Created By: BEARDEN\_M On: 15-MAY-2023  
 Modified By: JASROTIA\_P On: 24-MAY-2023  
 Customer: CEN-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central District  
 Event Description: Buck Lake LVI

**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: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 24-MAY-2023  
 Biology Request Reviewed By: JASROTIA\_P On: 24-MAY-2023  
 Sampling Kit Required: YES Ship on: 05-JUN-2023  
 Sampling Kit Shipped: YES On: 01-JUN-2023  
 Sampling Kit Packed By: KREUCH\_B  
 Preservatives Needed: NO  
 Date to Receive Samples: 15-JUN-2023  
 Logged In By:

**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 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-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: 1 | 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: 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                  |                      |                                                                                                                                                |
| Magnesium             |                      |                                                                                                                                                |
| Potassium             |                      |                                                                                                                                                |
| Sodium                |                      |                                                                                                                                                |
| Strontium             |                      |                                                                                                                                                |
| Tin                   |                      |                                                                                                                                                |

**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 |
| 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                    |
| Aluminum              |                      |                                                                                                                                                |
| Antimony              |                      |                                                                                                                                                |
| Arsenic               |                      |                                                                                                                                                |
| Barium                |                      |                                                                                                                                                |
| Beryllium             |                      |                                                                                                                                                |
| Boron                 |                      |                                                                                                                                                |
| 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-500ML | 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                                                         |

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