# Login Checklist

RQ-2022-04-04-49

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 4/5/2022 9:45

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with | | Number of Sample Containers in Cooler | Evidence Tape | | | | Waybill Tracking # |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Present? | | *Intact? | | |
| | YES | $HNO_3$ | Formalin | | Yes | No | Yes | No | |
| 1.5 | | | | 5 | | ✓ | | | 5225 5543 0995 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

**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 ✓ No _____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes _____ No ✓

**CONTAINER CHECK**

Evidence Tape on Bottles? Yes _____ No _____ NA ✓ Evidence Tape intact? Yes _____ No _____

If Criminal, photographs taken? Yes _____ No _____ Containers intact? Yes ✓ No _____

Caps on tight? Yes ✓ No _____

Sufficient Sample Volume: Yes ✓ 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 _____ No ✓ Init: IM

Chlorine detected? *(One container checked per Field ID)* Yes _____ No _____ Init: _____

**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 ✓ No _____ NA _____ Init: IM

**W-1-4-DIOX *(Green dot on container)* preserved to pH<4.0? Yes _____ No _____ NA ✓ Init: IM

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

**Coolers Unpacked/Checked by:** IM **Date:** 4/5/2022 **Event contains NCRs (Y/N)?** N

**Event ID:** _____ Run 7
CEN-DIST-2022-04-05-01 (SMP)
Date Received: 05-APR-2022 09:45

# Login Checklist

| Login Preservation Equipment | Lot # & Exp: Date |
|---|---|
| **Infrared Thermometer ID:** | IR TEMP GUN #2 exp:10/19/22 |
| **pH Test Strips 0 – 6** | |
| **pH Paper 0 – 3** | |
| **pH Paper 0 – 13** | 207621 exp: 3/15/24 |
| **Chlorine Test Strips** | 0070 exp: 02/2023 |

**Additional Comments:**

**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#** _____

**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
# CHAIN OF CUSTODY FORM

**Date:** 4/4/2022
**Customer:** CEN-DIST
**RQ:** RQ-2022-04-04-49
**Collected By:** Elizabeth Bates, Katie March
**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:** 1 **Delivery Method:** FedEx

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

| Site Location | Field ID/WIN ID |
|---|---|
| Unnamed Branch @ SR50 | G2CE0253 |
| Unnamed Branch @ Bridgeway Rd | G2CE0245 |
| Hourglass Lake @ Center | G4CE0178 |

**RELINQUISHED BY(SIGNATURE):**

**DATE/TIME:** 4/4/2022 1600 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:** IM **Rec'd/Inspected Date:** 4/5/22

| | |
|---|---|
| RQ-2022-04-04-49 | **Collected By:** Elizabeth Bates, Katie March |
| **Customer:** FDEP | **Field Report Prepared by:** Elizabeth Bates, Katie March |
| **Project ID:** SMP | **Sampling Agency:** FDEP |
| **WIN ID/Field ID:** **WIN ID/Field ID:** G2CE0253 | **Comments:** |

**Location:**
**Location:** Unnamed Branch @ SR50

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 (PPTh |
|---|---|---|---|---|---|---|---|---|---|
| 4/4/2022 950 | 7.08 | 79.1 | 20.8 | 6.91 | 0.3 | 1.1 | 1.1 | 168.8 | 0.08 |

| Parameter Suite | Parameter Methods | Preservation | pH Check | # Bottles sent to Lab | Bottle Group |
|---|---|---|---|---|---|
| Preserved Nutrients (P-500ML) | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP; Lot #: ; Exp: | Ice; H2SO4* | <2 | | |
| Metals (P-500ML) | W-ICPMS; W-ICP; W-HARD; Lot #: ; Exp: | Ice; HNO3* | <2 | | |
| Filtered Nutrients (P125ML) | W-PO4-F; Field Filtered 0.45 um Filter; Filter Lot #: ; Syringe Lot #: | Ice | | | |
| BOD (BP-1L) | OV-BODUNIN | Ice | | | |
| Chlorophyll (BP-1L) | CHLSUITE-W | Ice | | | |
| Physical/Aggregate (Fresh) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS | Ice | | | |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-BR-IC / 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) | X E Coli; F Coli; Enterococci; Contract Lab | x Ice | | 1 | B |
| Molecular (QPCR-P-500ML) | PCR-HF183; PCR-BacR; PCR-DG3; PCR-GULL2; PCR-GFD | Ice | | | |
| Tracers (BG-500ML) | W-E8321-DI; W-E8321-MS | Ice | | | |
| Pesticides (BG-500ML) (BG-1L) | W-E8321-DI; W-E8321-MS; W-PSNP-TQ; W-PCL-TQ-R; W-CARB-AA (5 ml of MCAA Buffer Solution); W-CT-CL-R; W-TR-SQ-R; W-PCB-TQ-R | Ice; MCAA Exp.; MCAA Lot# | | | |
| Phytoplankton | DTY-QN-C; PKD-QN-BV | Ice | | | |

| | |
|---|---|
| RQ-2022-04-04-49 | **Collected By**: Elizabeth Bates, Katie March |
| **Customer**: FDEP | **Field Report Prepared by**: Elizabeth Bates, Katie March |
| **Project ID**: SMP | **Sampling Agency**: FDEP |
| **WIN ID/Field ID**: **WIN ID/Field ID:** G2CE0245 | **Comments**: |

**Location:**
**Location**: Unnamed Branch @ Bridgeway Rd

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 (PPTh |
|---|---|---|---|---|---|---|---|---|---|
| 4/4/2022 1005 | 6.98 | 78.3 | 21 | 6.87 | 0.3 | 0.9 | 0.9 | 169.9 | 0.08 |

| Parameter Suite | Parameter Methods | Preservation | pH Check | # Bottles sent to Lab | Bottle Group |
|---|---|---|---|---|---|
| Preserved Nutrients (P-500ML) | ☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP<br>Lot # ☐ Exp: | ☐ Ice ☐ H2SO4* | <2 | | |
| Metals (P-500ML) | ☐ W-ICPMS ☐ W-ICP ☐ W-HARD<br>Lot # ☐ Exp: | ☐ Ice ☐ HNO3* | <2 | | |
| Filtered Nutrients (P125ML) | ☐ W-PO4-F ☐ Field Filtered 0.45 um Filter<br>Filter Lot # ☐ Syringe Lot # ☐ | ☐ Ice | | | |
| BOD (BP-1L) | ☐ OV-BODUNIN | ☐ Ice | | | |
| Chlorophyll (BP-1L) | ☐ CHLSUITE-W | ☐ Ice | | | |
| Physical/Aggregate (Fresh) (P-1L) | ☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS | ☐ Ice | | | |
| Physical/Aggregate (Marine) (P-1L) | ☐ Alkalinity / W-BR-IC / 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) | X E Coli ☐ F Coli ☐ Enterococci<br>☐ Contract Lab | x Ice | | 1 | B |
| Molecular (QPCR-P-500ML) | ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-DG3<br>☐ PCR-GULL2 ☐ PCR-GFD | ☐ Ice | | | |
| Tracers (BG-500ML) | ☐ W-E8321-DI ☐ W-E8321-MS | ☐ Ice | | | |
| Pesticides (BG-500ML) (BG-1L) | ☐ W-E8321-DI ☐ W-E8321-MS ☐ W-PSNP-TQ<br>☐ W-PCL-TQ-R ☐ W-CARB-AA (5 ml of MCAA Buffer Solution) ☐ W-CT-CL-R<br>☐ W-TR-SQ-R ☐ W-PCB-TQ-R | ☐ Ice **MCAA Exp.** | **MCAA Lot#** | | |
| Phytoplankton | ☐ DTY-QN-C ☐ PKD-QN-BV | ☐ Ice | | | |

| | |
|---|---|
| RQ-2022-04-04-49 | **Collected By**: Elizabeth Bates, Katie March |
| **Customer**: FDEP | **Field Report Prepared by**: Elizabeth Bates, Katie March |
| **Project ID**: SMP | **Sampling Agency**: FDEP |
| **WIN ID/Field ID**: **WIN ID/Field ID:** G4CE0178 | **Comments**: |

**Location:**
**Location**: Hourglass Lake @ 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 (PPTh |
|---|---|---|---|---|---|---|---|---|---|
| 4/4/2022 1140 | 10.08 | 121.1 | 24.7 | 7.24 | 0.3 | 1.1 | 3.5 | 179.5 | 0.08 |

| 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<br>Lot # SA1105060 Exp: 4/30/22 | X Ice X H2SO4* | X | <2 | 1 | A |
| Metals (P-500ML) | W-ICPMS W-ICP W-HARD<br>Lot # Exp: | Ice HNO3* | | <2 | | |
| Filtered Nutrients (P125ML) | W-PO4-F Field Filtered 0.45 um Filter<br>Filter Lot # Syringe Lot # | Ice | | | | |
| 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-BR-IC / 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<br>Contract Lab | Ice | | | | |
| Molecular (QPCR-P-500ML) | PCR-HF183 PCR-BacR PCR-DG3<br>PCR-GULL2 PCR-GFD | Ice | | | | |
| Tracers (BG-500ML) | W-E8321-DI W-E8321-MS | Ice | | | | |
| Pesticides (BG-500ML) (BG-1L) | W-E8321-DI W-E8321-MS W-PSNP-TQ<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA Buffer Solution) W-CT-CL-R<br>W-TR-SQ-R W-PCB-TQ-R | Ice MCAA Exp. | MCAA Lot# | | | |
| Phytoplankton | DTY-QN-C PKD-QN-BV | Ice | | | | |

# RQ-2022-04-04-49



Date of Request: 15-MAR-2022
Created By: BEARDEN_M On: 15-MAR-2022
Modified By: JASROTIA_P On: 16-MAR-2022
Customer: CEN-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: Central District
Event Description: Run 7

**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: 16-MAR-2022
Biology Request Reviewed By: JASROTIA_P On: 16-MAR-2022
Sampling Kit Required: YES Ship on: 25-MAR-2022
Sampling Kit Shipped: YES On: 23-MAR-2022
Sampling Kit Packed By: KLUG_K
Preservatives Needed: NO
Date to Receive Samples: 06-APR-2022
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;victoria.schwartz@floridadep.gov

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 CaCO3/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 *Color (true) | Template: DEFAULT | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring) |
| 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-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 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 Group B (Water) With 2 Samples:

Bottle Type: P-250ML-WO-THI Number of Bottles: 2 Preserved With: ICE

| | | |
|---|---|---|
| ECOLI-18QT | Template: DEFAULT | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |

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