# Login Checklist

RQ- 2021-03-15-38 Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound Date/Time of Receipt: 4/ 27 /21 @ 9:25

| *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 | |
| -0.1 | | | | 6 | | ✓ | | | 9293 8011 0242 |
| -0.2 | | | | 10 | | ✓ | | | 9293 8011 0253 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

**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 X

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: MK

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

**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: MK

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

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

**Coolers Unpacked/Checked by:** MK **Date:** 4/ 27 /21 **Event contains NCRs (Y/N)?** ~~N~~ Y

**Event ID:** SMP - Stuart Boat
SE-DIST-2021-04-27-03 (SMP)
- Date Received: 27-APR-2021 09:25

# Login Checklist

| Login Preservation Equipment | Lot # & Exp: Date |
|---|---|
| **Infrared Thermometer ID:** | IR TEMP GUN #5 EXP:10-28-21 |
| **pH Test Strips 0 – 6** | Lot#213116BV Exp:5-15-21 |
| **pH Paper 0 – 3** | |
| **pH Paper 0 – 13** | Lot#210620 EXP:4-15-23 |
| **Chlorine Test Strips** | Lot#0261 EXP:5-23 |

**Additional Comments:**

NCR #8798

**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:** 4/26/2021
**Customer:** WQAP
**RQ:** RQ-2021-03-15-38
**Collected By:** Jordan Skaggs, Drew Liddick
**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 RQ for this collection date.**

| Site Location | Field ID/WIN ID |
|---|---|
| Bessey Creek @ Mouth | G2SE0048 |

**RELINQUISHED BY(SIGNATURE):**

**DATE/TIME:** 4/26/2021 1300

**THIS SECTION TO BE COMPLETED BY LABORATORY**

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

**Rec'd/Inspected Date:** 4.27.21/0925

| | |
|---|---|
| RQ-2021-03-15-38 | **Collected By**: Jordan Skaggs, Drew Liddick |
| **Customer**: FDEP | **Field Report Prepared by**: Jordan Skaggs, Drew Liddick |
| **Project ID**: SMP | **Sampling Agency**: FDEP |
| **WIN ID/Field ID**: <br>**WIN ID/Field ID:** G2SE0048<br><br>**Location**: Bessey Creek @ Mouth | **Comments**: |
| Matrix: Marine | (Check One) ✓Grab ☐ Composite |

| Date and Time | DO (mg/L) | DO (%SAT) | Temp. © | pH | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTh |
|---|---|---|---|---|---|---|---|---|---|
| 4/26/2021 1300 | 6.91 | 93.8 | 27.8 | 7.71 | 0.3 | 0.6 | 1.9 | 19358 | 11.46 |
| **Central Lab please use top row for login purposes** | | | | | | | | | |
| | | | | | | | | | |

| 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 # Exp: | X Ice X H2SO4* | X | <2 | 1 | C |
| Metals (P-500ML) | X W-ICPMS X W-ICP X W-HARD<br>Lot # Exp: | X Ice X HNO3* | X | <2 | 1 | C |
| Filtered Nutrients (P125ML) | X W-PO4-F X Field Filtered 0.45 um Filter<br>Filter Lot #<br>Syringe Lot # | X Ice | | | 1 | C |
| Chlorophyll (BP-1L) | X CHLSUITE-W | X Ice | | | 1 | C |
| 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) | X Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY | X Ice | | | 1 | C |
| Macroinvertebrates (PJ-2L) | MI-FW-QLDC | Ice | | | | |
| Periphyton (PT-50ML) | ALGAE-ID | Ice | | | | |
| Microbiology (Contract Lab Bottle) | E Coli F Coli X Enterococci<br>Contract Lab | X Ice | | | 1 | C |
| 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) | X W-E8321-DI X W-E8321-MS X W-PSNP-TQ<br>X W-DIELDRIN<br>X W-PCL-SQ-R X W-CARB-AA ( 5 ml of MCAA** Buffer Solution) X W-CT-CL-R | X Ice | | | 10 | C |
| Phytoplankton | DTY-QN-C PKD-QN-BV | Ice | | | | |

# RQ-2021-03-15-38



Date of Request: 24-FEB-2021
Created By: SKAGGS_J On: 24-FEB-2021
Modified By: WATTS_J On: 26-APR-2021
Customer: SE-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: Southeast District
Event Description: SMP - Stuart Boat

**Send Coolers To:**

Phone: (772) 448-5884
FL Dept. of Environmental Protection
2199 South Rock Road
Fort Pierce, FL 34945
Attn: Jordan Skaggs
Cooler Ship EMail: jordan.skaggs@FloridaDEP.gov

Priority: 3
Event Status: A
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 26-APR-2021
Biology Request Reviewed By: WATTS_J On: 26-APR-2021
Sampling Kit Required: NO Ship on:
Sampling Kit Shipped: YES On: 02-MAR-2021
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: NO
Date to Receive Samples: 18-MAR-2021
Logged In By:

**Send Final Report To:**

FL Dept. of Environmental Protection
2199 South Rock Road
Fort Pierce, FL 34945
Attn: Drew Liddick
Report Notification EMail:
drew.liddick@FloridaDEP.gov;jordan.skaggs@floridadep.gov;andrew.luering@floridadep.gov

Comments:

Lab Comments:
1 - box nitric acid
1 - box sulfuric acid

*Please send 2 coolers

Sampler Comments:
Group A - metals/entero
3210 - G2SE0060
3194B - G2SE0062

Group B - metals/entero/pesticides
3194B - G2SE0061

Group C - 3m nut/metals/entero/pesticides using in-house kits
3211 - G2SE0048

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

Bottle Type: P-250ML-WO-THI Number of Bottles: 2 Preserved With: ICE
ENT-24-QT Template: DEFAULT (Enterolert/QT) Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems
Bottle Type: P-500ML Number of Bottles: 2 Preserved With: HNO3
W-ICP Template: (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
Manganese
Zinc

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

Aluminum
Antimony
Arsenic
Beryllium

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

Bottle Type: P-500ML — Number of Bottles: 2 — Preserved With: HNO3

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

- Cadmium
- Chromium
- Copper
- Lead
- Nickel
- Selenium
- Silver
- Thallium

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

Bottle Type: P-250ML-WO-THI — Number of Bottles: 1 — Preserved With: ICE

ENT-24-QT — Template: DEFAULT — (Enterolert/QT) Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems

Bottle Type: BG-500ML — Number of Bottles: 1 — Preserved With: CH2ClCOOH Pre-Preserved

W-CARB-AA — Template: DEFAULT — (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS

Bottle Type: BG-500ML — Number of Bottles: 4 — Preserved With: ICE

W-CT-Cl-R — Template: DEFAULT — (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

W-PCL-TQ-R — Template: DEFAULT — (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS

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: DEFAULT — (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Type: P-500ML — Number of Bottles: 1 — Preserved With: HNO3

W-ICP — Template: — (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
- Manganese
- Zinc

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

- Aluminum
- Antimony
- Arsenic
- Beryllium
- Cadmium
- Chromium
- Copper
- Lead
- Nickel
- Selenium
- Silver
- Thallium

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

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

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-250ML-WO-THI — Number of Bottles: 1 — Preserved With: ICE

ENT-24-QT — Template: DEFAULT — (Enterolert/QT) Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems

Bottle Type: BG-500ML — Number of Bottles: 1 — Preserved With: CH2ClCOOH Pre-Preserved

W-CARB-AA — Template: DEFAULT — (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS

Bottle Type: BG-500ML — Number of Bottles: 2 — Preserved With: ICE

W-CT-Cl-R — Template: DEFAULT — (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

W-PCL-TQ-R — Template: DEFAULT — (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS

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

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

Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: ICE

| | | |
|---|---|---|
| W-E8321-MS | Template: DEFAULT | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: HNO3

| | | |
|---|---|---|
| W-ICP | Template: | (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
Manganese
Zinc

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

Aluminum
Antimony
Arsenic
Beryllium
Cadmium
Chromium
Copper
Lead
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: 2 Preserved With: ICE

| | | |
|---|---|---|
| W-PSNP-TQ | Template: DEFAULT | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS |

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-F | Template: DEFAULT | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-TSS | Template: DEFAULT | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample |

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