

RQ-2023 - 11 - 20 - 10

## Login Checklist

Login Station ID: # 2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 12 / 08 / 2023 / 09:02

| *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 |                    |
| 2.9C                |                 |                                        |          | 10                                    |               | X  |          |    | 6484 8460 1063     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## 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 &lt; 2.0?

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

\*\*W-1-4-DIOX (Green dot on container) preserved to pH &lt; 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: 12/08/2023Event contains NCRs (Y/N)? NEvent ID: CEN - DIST- 2023 - 12 - 08 - 0

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                        |
|--------------------------|------------------------|
| Infrared Thermometer ID: | IRTG#2 EXP:10/16/24    |
| pH Test Strips 0 – 6     | LOT#223819BVEXP8/15/24 |
| pH Paper 0 – 3           | N/A                    |
| pH Paper 0 – 13          | LOT207621EXP:3/15/24   |
| Chlorine Test Strips     | 2313 2025/07           |

### 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# \_\_\_\_\_

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 12/7/2023  
**Customer:** CEN-DIST  
**RQ:** RQ-2023-11-20-10  
**Collected By:** Leif Boman, 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

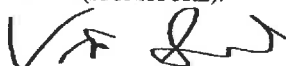
**Number of Coolers Shipped:** 1

**Delivery Method:** FedEx

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

| Site Location                                                   | Field ID/WIN ID                                                                                |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| JACKSON CANAL AT 1400 METERS<br>DOWNSTREAM OF CONTROL STRUCTURE | <br>G4CE0246 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 12/7/2023  
1600 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

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

**Rec'd/Inspected**  
**Date:** 12/08/2023 /



RQ-2023-11-20-10

Collected By: Leif Boman, Victoria Schwartz

Customer: FDEP

Field Report Prepared by: Leif Boman, Victoria Schwartz

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G4CE0246

Comments:

Location: JACKSON CANAL AT 1400 METERS DOWNSTREAM OF CONTROL STRUCTURE

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 12/7/2023<br>1052   | 1.38      | 14.5      | 17.5     | 5.88 | 0.3              | 0.4          | 1.4             | 124.1               | 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 #                                                                       | SA3193140                         |                                          | Exp:         | 07/31/2024  |          |        |                       |              |    |    |   |   |
| Metals (P-500ML)                   | X                 | W-ICPMS                                                                     | X                                 | W-ICP                                    | X            | W-HARD      | X        | Ice    | X                     | HNO3*        | X  | <2 | 1 | A |
|                                    |                   | Lot #                                                                       | NA3193130                         |                                          | Exp:         | 07/27/2024  |          |        |                       |              |    |    |   |   |
| Filtered Nutrients (P125ML)        | X                 | W-PO4-F                                                                     | X                                 | Field Filtered 0.45 µm Filter            |              | X           | Ice      |        |                       |              | 1  | A  |   |   |
|                                    |                   | Filter Lot #                                                                | 17769663                          | Syringe Lot #                            | 3066762      |             |          |        |                       |              |    |    |   |   |
| 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-C / 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-MS                               |              |             |          | Ice    |                       |              |    |    |   |   |
| Pesticides (BG-500ML) (BG-1L)      | X                 | W-E8321-DI                                                                  | X                                 | W-E8321-MS                               | X            | W-PSNP-TQ   |          | 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 (BP-1L)              |                   | DTY-QN-C                                                                    |                                   | PKD-QN-BV                                |              |             | Ice      |        |                       |              |    |    |   |   |
| DOC (P-500ML)                      |                   | W-DOC                                                                       |                                   | Field Filtered 0.45 µm Filter            |              |             | Ice      |        | H2SO4*                |              | <2 |    |   |   |
|                                    |                   |                                                                             | Acid Preservative Expiration Date |                                          |              |             |          |        |                       |              |    |    |   |   |
|                                    |                   |                                                                             | Acid Preservative Lot Number      |                                          |              |             |          |        |                       |              |    |    |   |   |

Date of Request: 10-OCT-2023  
 Created By: BEARDEN\_M On: 10-OCT-2023  
 Modified By: JASROTIA\_P On: 31-OCT-2023  
 Customer: CEN-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central District  
 Event Description: Jackson Canal - SCI

**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: 31-OCT-2023  
 Biology Request Reviewed By: JASROTIA\_P On: 31-OCT-2023  
 Sampling Kit Required: YES Ship on: 13-NOV-2023  
 Sampling Kit Shipped: YES On: 09-NOV-2023  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 22-NOV-2023  
 Logged In By: SHAIK\_A On: 08-DEC-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 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-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-2014) 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 |

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

|                      |                      |                                                                        |
|----------------------|----------------------|------------------------------------------------------------------------|
| Bottle Type: PT-50ML | Number of Bottles: 1 | Preserved With: ICE                                                    |
| ALGAL_ID             | Template: DEFAULT    | (SOP-AB18) Qualitative assessment of algal taxa present without counts |

|                    |                      |                                                                |
|--------------------|----------------------|----------------------------------------------------------------|
| Bottle Type: PJ-2L | Number of Bottles: 2 | Preserved With: Formalin                                       |
| MI-FW-QLDC         | Template: DEFAULT    | (SOP-IZ06) No. Taxa of FW macroinverts, qual samp, 20 dipnets. |

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