

## McCoy, Ian

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**From:** Musson, Curtis  
**Sent:** Friday, July 16, 2021 10:46 AM  
**To:** McCoy, Ian; Mullen, William; Reistad, Nicole; Jaeger, Monica  
**Cc:** Ayres, Joshua  
**Subject:** RE: Late Arriving Cooler-SMP

Ian,  
Yes, follow SMP protocol.  
Per your questions please do keep the Organic (Amber Glass) and PCR samples regardless of time/temp.

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**From:** McCoy, Ian <Ian.McCoy@FloridaDEP.gov>  
**Sent:** Friday, July 16, 2021 10:30 AM  
**To:** Musson, Curtis <Curtis.Musson@FloridaDEP.gov>; Mullen, William <William.Mullen@FloridaDEP.gov>; Reistad, Nicole <Nicole.Reistad@FloridaDEP.gov>; Jaeger, Monica <Monica.Jaeger@FloridaDEP.gov>  
**Cc:** Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>  
**Subject:** Late Arriving Cooler-SMP

Good morning, I received RQ-2021-07-12-49 today (a day late) and noticed that some of the samples are out of hold, would you like these logged in according to the SMP protocol attached? The cooler was well within acceptable temp range and the acid preservation was good. There were Organic (500ml Amber Glass) and PCR samples, these are good to qualify correct? Attached is the received paperwork as well.

Let me know if you have any questions, have a great day!

Ian McCoy  
Florida DEP Receiving  
Lab Support Staff  
Phone - 850-245-8062

# SMP Project

## Login Protocol February 14, 2021

The SMP project can't (with certain exceptions) use either Y or Q qualified data and would rather have receiving not login these samples. It's considered a waste of laboratory resources to analyze affected samples that will be qualified, and their data will not be used by the SMP project.

1. If the sample set contains an **SCI** login all bottles and run all tests regardless of hold time or temperature issues.
2. The SMP project does not want "Y" qualified preserved nutrients, unpreserved nutrients, microbiology, Chlorophyll, or metals data. (i.e. preservation NCR; acid or ice).
  - Preservation Exception: qPCR and organic samples (They still want these data)
    - Preservation NCR ("Y" qualifier) are acceptable for temperature and chlorine detections for these analyses.

**Note:** *Unpreserved metals samples may be preserved/acidified in the lab upon receipt and do not need to be qualified if they are analyzed 24 or more hours after acidification.*

3. The SMP project does not want "Q" qualified preserved or unpreserved nutrients data. (i.e. Out of hold time).
  - This includes chlorophyll that are greater than 48 hrs.
  - Hold Time Exception: microbiology, qPCR, and organic samples (They still want these data)
    - Out of hold time ("Q" qualifiers) are acceptable for these analyses.

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| <b>RQ-2019-07-29-45</b>         |                                                      |
| Printed: 10/24/2019 10:15:58 AM |                                                      |
| Date of Request:                | 10-JUL-2019                                          |
| Created By:                     | REISTAD_N On: 10-JUL-2019                            |
| Modified By:                    | JASROTIA_P On: 11-JUL-2019                           |
| Customer:                       | SO-DIST                                              |
| Project:                        | <b>SMP</b>                                           |
| Division:                       | Division of Environmental Assessment and Restoration |
| District:                       | South District                                       |
| Sampling Event:                 | 2019 SMP: Nowhere                                    |
| <b>Send C</b>                   |                                                      |
| Phone: 239-344                  |                                                      |
| FLDEP South D                   |                                                      |
| 2295 Victoria A                 |                                                      |
| Fort Myers, FL                  |                                                      |
| Attn: Nicole Rei                |                                                      |

*Example of SMP Project RQ*

If a preservation or holding time issue is observed, notify John Watts, Curtis Musson, and Joshua Ayres.

RQ-2021-07-12-49

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 7/16/2021 9:15

| *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 |                    |
| 2.7                 |                 |                                        |          | 8                                     |               | ✓  |          |    | 929380149584       |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## 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# 8941

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: IM

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 ☒ No ☐ NA ☐ Init: IM

\*\*W-1-4-DIOX (Green dot on container) preserved to pH &lt; 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: 7/16/2021

Event contains NCRs (Y/N)? Y

Event ID: 2021 SMP: Lee Coastal  
SO-DIST-2021-07-16-02 (SMP)

Date Received: 16-JUL-2021 09:15

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

|                          |                             |
|--------------------------|-----------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #2 exp:10/28/21 |
| pH Test Strips 0 – 6     |                             |
| pH Paper 0 – 3           |                             |
| pH Paper 0 – 13          | 219019 exp: 7/1/22          |
| Chlorine Test Strips     | 0129 exp: 03/2023           |

### Additional Comments:

Logged in According to  
SMP Protocol  
-IM 7/16/21

### 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:** 7/14/2021  
**Customer:** SO-DIST  
**RQ:** RQ-2021-07-12-49

**Collected By:** Nicole Reistad, Monica Jaeger  
**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                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------|
| Imperial River near US 41 | <br>G1SD0057   |
| Punta Rassa Cove          | <br>G2SD0047   |
| Estero River @ Preserve   | <br>G1SD0104 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 7/14/2021

1500 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By:

IM

Rec'd/Inspected

Date:

7/16/21



|                                                                                                                                               |                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| RQ-2021-07-12-49                                                                                                                              | <b>Collected By:</b> Nicole Reistad, Monica Jaeger                       |
| <b>Customer:</b> FDEP                                                                                                                         | <b>Field Report Prepared by:</b> Nicole Reistad, Monica Jaeger           |
| <b>Project ID:</b> SMP                                                                                                                        | <b>Sampling Agency:</b> FDEP                                             |
| <b>WIN ID/Field ID:</b> <br><b>WIN ID/Field ID:</b> G1SD0057 | <b>Comments:</b> Microbiology sample(s) submitted to contract laboratory |

**Location:**  
**Location:** Imperial River near US 41

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|-----------------|
| 7/14/2021 1015      | 2.93      | 37.1      | 27.3     | 7.82 | 0.3              | 0.7          | 1.3             | 966                 | 0.48            |

  

| 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 µm Filter<br>Filter Lot # _____<br>Syringe Lot # _____                  | 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) | E Coli F Coli X Enterococci<br>X Contract Lab                                                       | x Ice        |          | 1                     | B            |
| Molecular (QPCR-P-500ML)           | X PCR-HF183 X PCR-BacR X PCR-DG3<br>PCR-GULL2 PCR-GFD                                               | x Ice        |          | 1                     | B            |
| Tracers (BG-500ML)                 | X W-E8321-DI X W-E8321-MS                                                                           | x Ice        |          | 1                     | B            |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI W-E8321-MS W-PSNP-TQ<br>W-PCL-TQ-R W-CAR8-AA ( 5 ml of MCAA** Buffer Solution) W-CT-CL-R | Ice          |          |                       |              |
| Phytoplankton                      | DTY-QN-C PKD-QN-BV                                                                                  | Ice          |          |                       |              |



|                                                                                                                                 |                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| RQ-2021-07-12-49                                                                                                                | Collected By: Nicole Reistad, Monica Jaeger                       |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Nicole Reistad, Monica Jaeger           |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                             |
| WIN ID/Field ID: <br>WIN ID/Field ID: G2SD0047 | Comments: Microbiology sample(s) submitted to contract laboratory |

**Location:**  
Location: Punta Rassa Cove

Matrix: Marine

(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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|--------------------|----------------|
| 7/14/2021<br>850    | 5.4       | 78.7      | 27.9     | 7.54 | 0.3              | 1.3          | 1.3             | 35247              | 22.09          |

| 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*                |              |   |
|                                    |                   | Lot #                                                                     | SA1105060      | Exp:                                       | 04/30/22 | X           | <2                    | 1            | A |
| Metals (P-500ML)                   |                   | W-ICPMS                                                                   | W-ICP          | W-HARD                                     | Ice      |             | HNO3*                 |              |   |
|                                    |                   | Lot #                                                                     |                | Exp:                                       |          |             | <2                    |              |   |
| Filtered Nutrients (P125ML)        | X                 | W-PO4-F                                                                   | X              | Field Filtered 0.45 µm Filter              |          |             |                       |              |   |
|                                    |                   | Filter Lot #                                                              |                | 17162587                                   | X        | Ice         |                       | 1            | A |
|                                    |                   | Syringe Lot #                                                             |                | 1091364                                    |          |             |                       |              |   |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                |                |                                            | X        | Ice         |                       | 1            | A |
| Physical/Aggregate (Fresh) (P-1L)  |                   | Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / 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            | A |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                | Formalin Lot # |                                            |          | Formalin    |                       |              |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                  |                |                                            |          | Ice         |                       |              |   |
| Microbiology (Contract Lab Bottle) |                   | E Coli                                                                    | X              | F Coli                                     | X        | Enterococci |                       |              |   |
|                                    | X                 | Contract Lab                                                              |                |                                            | X        | Ice         |                       | 2            | A |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                 |                | PCR-BacR                                   |          | PCR-DG3     |                       |              |   |
|                                    |                   | PCR-GULL2                                                                 |                | PCR-GFD                                    |          |             |                       |              |   |
| 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   |                       |              |   |
| Phytoplankton                      |                   | DTY-QN-C                                                                  |                | PKD-QN-BV                                  |          | Ice         |                       |              |   |



|                                                                                                                                               |                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>RQ-2021-07-12-49</b>                                                                                                                       | <b>Collected By:</b> Nicole Reistad, Monica Jaeger                       |
| <b>Customer:</b> FDEP                                                                                                                         | <b>Field Report Prepared by:</b> Nicole Reistad, Monica Jaeger           |
| <b>Project ID:</b> SMP                                                                                                                        | <b>Sampling Agency:</b> FDEP                                             |
| <b>WIN ID/Field ID:</b> <br><b>WIN ID/Field ID:</b> G1SD0104 | <b>Comments:</b> Microbiology sample(s) submitted to contract laboratory |

**Location:**  
**Location:** Estero River @ Preserve

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 7/14/2021 1120      | 2.43      | 36.4      | 27.9     | 8.09 | 0.3              | 1            | 1.1             | 9142                | 8.31           |

  

| 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 µm Filter<br>Filter Lot # _____<br>Syringe Lot # _____                 | 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) | E Coli F Coli X Enterococci<br>X Contract Lab                                                      | x Ice        |          | 1                     | B            |
| Molecular (QPCR-P-500ML)           | X PCR-HF183 X PCR-BacR X PCR-DG3<br>PCR-GULL2 PCR-GFD                                              | x Ice        |          | 1                     | B            |
| Tracers (BG-500ML)                 | X W-E8321-DI X W-E8321-MS                                                                          | x Ice        |          | 1                     | B            |
| 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 | Ice          |          |                       |              |
| Phytoplankton                      | DTY-QN-C PKD-QN-BV                                                                                 | Ice          |          |                       |              |





## CHAIN OF CUSTODY RECORD

Project #  
(Lab Use Only)Client Florida Dept. of Environmental ProtectionAddress 2600 Blairstone Rd. Tallahassee, FL 32399Phone 850-245-8085 239-470-0873

Fax

Report To: DEP-OverflowMicro@dep.state.fl.usBill to: Carina TullP.O. # LAB #039 B9633BPreservative: HCL = H, HNO<sub>3</sub> = N, Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> = STH<sub>2</sub>SO<sub>4</sub> = S, NaOH = SH, NH<sub>4</sub>Cl = NHProject Name: SMPProject Location: LEE COASTALCustomer Type: Florida DEP - South ROC

Kit #:

Requested Due Date:

Sampled By (PRINT)

MONICA Jaeger

Sampler Signature

Preservatives

Analysis Requested

Sample ID #  
(Lab Use Only)

Method

Sample Description

Date

Time

Type

E

S

E. coli

Enterococcus

Fecal

G2SD00477/14/218:50EnviroXXXG1SD00577/14/2110:15EnviroXXG1SD001047/14/2111:20EnviroXX

Bottle ID #

Samples are ambient water

Okay to Run  
As Is

Client Initial:

Relinquished By/Amplator

MONICA Jaeger

Date

Time

Accepted By/Amplator

Date

Time

RQ-2019-RQ-2021-07-14-49Samples On  
Ice☒ Yes ☐ No

Date of Request: 28-JUN-2021  
 Created By: MULLEN\_W On: 28-JUN-2021  
 Modified By: WATTS\_J On: 30-JUN-2021  
 Customer: SO-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: South District  
 Event Description: 2021 SMP: Lee Coastal

**Send Coolers To:**

Phone: 239-344-5716  
 FLDEP South District Office  
 2295 Victoria Ave. Suite 364  
 Fort Myers, FL 33901-3381  
 Attn: William Mullen  
 Cooler Ship Email: William.Mullen@FloridaDEP.gov

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 30-JUN-2021  
 Biology Request Reviewed By: SWANSON\_C On: 30-JUN-2021  
 Sampling Kit Required: YES Ship on: 02-JUL-2021  
 Sampling Kit Shipped: YES On: 01-JUL-2021  
 Sampling Kit Packed By: KLUG\_K  
 Preservatives Needed: NO  
 Date to Receive Samples: 12-JUL-2021  
 Logged In By:

**Send Final Report To:**

FLDEP South District Office  
 2295 Victoria Ave. Suite 364  
 Fort Myers, FL 33901-3381  
 Attn: William Mullen  
 Report Notification Email:  
 Nicole.Reistad@FloridaDEP.gov; Kirby.Wolfe@dep.state.fl.us; Gary.Snorek@dep.state.fl.us; William.Mullen@FloridaDEP.gov; Monica.Jaeger@FloridaDEP.gov; Thomas.J.Baker@FloridaDEP.gov

Comments: Group A: (Punta Rassa) Marine Nutrients, Entero, Fecal  
 Group B: (Estero/Imperial Marine) Entero, Markers, Tracers

**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-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              |
| 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-WI-THI       | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| SD-SND-ENQ                        | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert/QT by Sanders in Fort Myers                                        |
| SD-SND-FC                         | Template: DEFAULT    | (SM 9222 D) Fecal coliforms by MF by Sanders in Fort Myers                                                   |
| Bottle Type: P-500ML              | Number of Bottles: 1 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                       |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                   |
| W-NO <sub>2</sub> NO <sub>3</sub> | 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-PO <sub>4</sub> -F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                     |

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

|                           |                      |                                                                                                                                               |
|---------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-500ML | Number of Bottles: 2 | Preserved With: ICE                                                                                                                           |
| PCR-BACR                  | Template: DEFAULT    | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction |
| PCR-DG3                   | Template: DEFAULT    | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction      |
| PCR-HF183                 | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction     |

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

|                             |                      |                                                                                         |
|-----------------------------|----------------------|-----------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WI-THI | Number of Bottles: 2 | Preserved With: ICE                                                                     |
| SD-SND-ENQ                  | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert/QT by Sanders in Fort Myers                   |
| 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: DEFAULT    | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |

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