

RQ-2022-04-04-42

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 3/31/2022 10:05

| *Cooler Temperature | Samples Frozen?<br>YES | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking #             |
|---------------------|------------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------------------|
|                     |                        | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |    | *Intact? |    |                                |
|                     |                        |                                        |          |                                       | Yes           | No | Yes      | No |                                |
| 4.3                 |                        |                                        |          | 13                                    |               | ✓  |          |    | 52255545 2030<br>52255545 2029 |
|                     |                        |                                        |          |                                       |               |    |          |    |                                |
|                     |                        |                                        |          |                                       |               |    |          |    |                                |
|                     |                        |                                        |          |                                       |               |    |          |    |                                |
|                     |                        |                                        |          |                                       |               |    |          |    |                                |
|                     |                        |                                        |          |                                       |               |    |          |    |                                |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO<sub>3</sub> and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 °C (above 10.0 °C 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: 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: 3/31/2022

Event contains NCRs (Y/N)? ☒

Event ID: \_\_\_\_\_

2022 SMP: Drains and Canals

SO-DIST-2022-03-31-01 (SMP)

Page 1 of 2, 06/1

Date Received: 31-MAR-2022 10:05

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                             |
|--------------------------|-----------------------------|
| 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           |

### 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:** 3/30/2022  
**Customer:** SO-DIST  
**RQ:** RQ-2022-04-04-42

**Collected By:** Thomas Baker, William Mullen  
**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

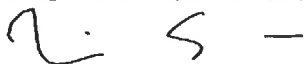
**Number of Coolers Shipped:** 2

**Delivery Method:** FedEx

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

| Site Location                     | Field ID/WIN ID                                                                                  |
|-----------------------------------|--------------------------------------------------------------------------------------------------|
| DRAINAGE DITCH @ CR 850           | <br>G1SD0061   |
| TownsendCanalatChurchRd           | <br>G3SD0221  |
| C-139 Annex @ Deer Fence Canal Rd | <br>G1SD0076 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 3/30/2022

1500 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By:

IM

Rec'd/Inspected

Date:

3/31/22



|                                                                                                                                               |                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| RQ-2022-04-04-42                                                                                                                              | <b>Collected By:</b> Thomas Baker, William Mullen                         |
| <b>Customer:</b> FDEP                                                                                                                         | <b>Field Report Prepared by:</b> Thomas Baker, William Mullen             |
| <b>Project ID:</b> SMP                                                                                                                        | <b>Sampling Agency:</b> FDEP                                              |
| <b>WIN ID/Field ID:</b> <br><b>WIN ID/Field ID:</b> G1SD0061 | <b>Comments:</b> Microbiology sample(s) submitted to contract laboratory. |

**Location:**

Location: DRAINAGE DITCH @ CR 850

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 3/30/2022<br>825    | 5.98      | 69.4      | 20.8     | 7.51 | 0.1              | 0.2          | 0.2             | 499.8               | 0.24           |

| 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                                 |                                          |             |           | Ice          | H2SO4*    | <2        |                       |              |
|                                    | Lot #                                                                       |                                          | Exp:        |           |              |           |           |                       |              |
| Metals (P-500ML)                   | x W-ICPMS                                                                   | x W-ICP                                  | x W-HARD    | x         | Ice          | x HNO3*   | X         | <2                    | 1            |
|                                    | Lot #                                                                       |                                          | Exp:        |           | 06/07/22     |           |           |                       | A            |
| Filtered Nutrients (P125ML)        | W-PO4-F                                                                     | Field Filtered 0.45 µm Filter            |             |           | Ice          |           |           |                       |              |
|                                    | Filter Lot #                                                                | Syringe Lot #                            |             |           |              |           |           |                       |              |
| 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 | x         | Ice          |           |           | 1                     | A            |
|                                    | Contract Lab                                                                |                                          |             |           |              |           |           |                       |              |
| Molecular (QPCR-P-500ML)           | x PCR-HF183                                                                 | x PCR-BacR                               | x PCR-DG3   | x         | Ice          |           |           | 1                     | A            |
|                                    | PCR-GULL2                                                                   |                                          | PCR-GFD     |           |              |           |           |                       |              |
| Tracers (BG-500ML)                 | x W-E8321-DI                                                                | x W-E8321-MS                             |             |           | x            | Ice       |           | 1                     | A            |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI                                                                  | W-E8321-MS                               | W-PSNP-TQ   |           | Ice          | MCAA Exp. | MCAA Lot# |                       |              |
|                                    | W-PCL-TQ-R                                                                  | W-CAR8-AA (5 ml of MCAA Buffer Solution) |             | W-CT-CL-R |              |           |           |                       |              |
|                                    | W-TR-SQ-R                                                                   | W-PCB-TQ-R                               |             |           |              |           |           |                       |              |
| Phytoplankton                      | DTY-QN-C                                                                    |                                          | PKD-QN-BV   |           | Ice          |           |           |                       |              |



RQ-2022-04-04-42

Collected By: Thomas Baker, William Mullen

Customer: FDEP

Field Report Prepared by: Thomas Baker, William Mullen

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G3SD0221

Comments: Microbiology sample(s) submitted to contract laboratory.

Location:

Location: TownsendCanalatChurchRd

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 3/30/2022<br>850    | 1.66      | 19.5      | 22       | 7.43 | 0.3              | 0.5          | 0.7             | 581                 | 0.28           |

| 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  | B |
|                                    |                   | Lot # SA1105060                                                              |                | Exp:                                     | 04/30/22     |             |          |        |                       |                     |    |   |
| Metals (P-500ML)                   |                   | W-ICPMS                                                                      |                | W-ICP                                    | W-HARD       | Ice         | HNO3*    |        | <2                    |                     |    |   |
|                                    |                   | Lot #                                                                        |                | Exp:                                     |              |             |          |        |                       |                     |    |   |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                      |                | Field Filtered 0.45 µm Filter            |              |             | Ice      |        |                       |                     |    |   |
|                                    |                   | Filter Lot #                                                                 |                | Syringe Lot #                            |              |             |          |        |                       |                     |    |   |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                   |                |                                          |              |             | Ice      |        |                       |                     |    |   |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                   |                |                                          |              | X           | Ice      |        | 1                     | B                   |    |   |
| 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                     | B                   |    |   |
| 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 | X        | Ice    | 1                     | B                   |    |   |
|                                    | X                 | Contract Lab                                                                 |                |                                          |              |             |          |        |                       |                     |    |   |
| 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                               |              |             |          | Ice    |                       |                     |    |   |
| Pesticides (BG-500ML) (BG-1L)      | X                 | W-E8321-DI                                                                   | X              | W-E8321-MS                               | X            | W-PSNP-TQ   | X        | Ice    | MCAA Exp.<br>02/04/23 | MCAA Lot#<br>128343 | 10 | B |
|                                    | X                 | W-PCL-TQ-R                                                                   | X              | W-CARB-AA (5 ml of MCAA Buffer Solution) | X            | W-CT-CL-R   |          |        |                       |                     |    |   |
|                                    | X                 | W-TR-SQ-R                                                                    | X              | W-PCB-TQ-R                               |              |             |          |        |                       |                     |    |   |
| Phytoplankton                      |                   | DTY-QN-C                                                                     |                | PKD-QN-BV                                |              |             |          | Ice    |                       |                     |    |   |



RQ-2022-04-04-42

Collected By: Thomas Baker, William Mullen

Customer: FDEP

Field Report Prepared by: Thomas Baker, William Mullen

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G1SD0076

Comments: Microbiology sample(s) submitted to contract laboratory.

Location:

Location: C-139 Annex @ Deer Fence Canal Rd

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) |
|---------------------|-----------|-----------|----------|-----|------------------|--------------|-----------------|---------------------|----------------|
| 3/30/2022 1015      | 5.18      | 59.9      | 22.3     | 7.6 | 0.2              | 0.4          | 0.4             | 585                 | 0.28           |

| 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 | C |
|                                    |                   | Lot #                                                                        |                                          | SA1105060                     | Exp:         | 04/30/22    |           |           |                       |              |   |   |
| Metals (P-500ML)                   |                   | W-ICPMS                                                                      |                                          | W-ICP                         | W-HARD       | Ice         | HNO3*     |           | <2                    |              |   |   |
|                                    |                   | Lot #                                                                        |                                          | Exp:                          |              |             |           |           |                       |              |   |   |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                      |                                          | Field Filtered 0.45 um Filter |              | Ice         |           |           |                       |              |   |   |
|                                    |                   | Filter Lot #                                                                 |                                          | Syringe Lot #                 |              |             |           |           |                       |              |   |   |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                   |                                          |                               |              | Ice         |           |           |                       |              |   |   |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                   |                                          |                               |              | x           | Ice       |           |                       | 1            | C |   |
| 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            | C |   |
| 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 | x         | Ice       |                       |              | 1 | C |
|                                    | X                 | 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)      |                   | W-E8321-DI                                                                   | W-E8321-MS                               |                               | W-PSNP-TQ    | Ice         | MCAA Exp. | MCAA Lot# |                       |              |   |   |
|                                    |                   | 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                               |                               |              |             |           |           |                       |              |   |   |
| Phytoplankton                      |                   | DTY-QN-C                                                                     |                                          | PKD-QN-BV                     |              | Ice         |           |           |                       |              |   |   |

Date of Request: 14-MAR-2022  
 Created By: MULLEN\_W On: 14-MAR-2022  
 Modified By: JASROTIA\_P On: 16-MAR-2022  
 Customer: SO-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: South District  
 Event Description: 2022 SMP: Drains and Canals

**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: 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: SHAIK\_A  
 Preservatives Needed: YES  
 Date to Receive Samples: 04-APR-2022  
 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; William.Mullen@FloridaDEP.gov; Monica.Jaeger@FloridaDEP.gov; Thomas.J.Baker@FloridaDEP.gov

Comments: Group A: (CR 850) Fresh Metals, E. coli, PCR, Tracers  
 Group B: (Townsend) Freshwater Nutrients, E.coli, Pesticides  
 Group C: (Deer Fence) Fresh Nutrients, E.coli

#####

Buffer Solution for W-CARB-AA Bottle Needed

#####

**Bottle Group A (Water) With 1 Samples:**

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-500ML   | Number of Bottles: 1 | 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 Type: P-250ML-WI-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| SD-SND-ECQ                  | Template: DEFAULT    | (Colilert-18) E. coli by Colilert-18/QT by Sanders in Fort Myers                                                                               |
| 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: HNO3                                                                                                                           |
| W-HARD                      | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3                                                          |
| 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                   |                      |                                                                                                                                                |

**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 |
| Tin                  |                      |                                                                                                                                                |
| 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                    |
| *Boron               |                      |                                                                                                                                                |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Barium               |                      |                                                                                                                                                |
| Beryllium            |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Cobalt               |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Manganese            |                      |                                                                                                                                                |
| Molybdenum           |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |

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

|                               |                      |                                                                                                              |
|-------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| 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: 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: 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                           |
| W-TR-SQ-R                     | Template: DEFAULT    | (EPA 8270E) Analysis of Sunscreen Compounds in Water by GC/MS-SIM                                            |
| 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                       | 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-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-250ML-WI-THI   | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| SD-SND-ECQ                    | Template: DEFAULT    | (Colilert-18) E. coli by Colilert-18/QT by Sanders in Fort Myers                                             |
| Bottle Type: BG-500ML         | Number of Bottles: 1 | Preserved With: CH2CICOOH and Ice                                                                            |
| W-CARB-AA                     | Template: DEFAULT    | (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS                                                       |
| Bottle Type: BG-500ML FILL TO | Number of Bottles: 4 | Preserved With: ICE                                                                                          |
| W-CT-CI-R                     | Template: DEFAULT    | (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization            |

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

|                               |                      |                                                                                              |
|-------------------------------|----------------------|----------------------------------------------------------------------------------------------|
| Bottle Type: BG-500ML FILL TO | Number of Bottles: 4 | Preserved With: ICE                                                                          |
| W-PCB-TQ-R                    | Template: DEFAULT    | (EPA 8270E) PCBs in water matrices by GC/MS/MS                                               |
| W-PCL-TQ-R                    | Template: DEFAULT    | (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS |

**Bottle Group C (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-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-250ML-WI-THI       | Number of Bottles: 1 | Preserved With: ICE                                                                                          |
| SD-SND-ECQ                        | Template: DEFAULT    | (Colilert-18) E. coli by Colilert-18/QT 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                                             |

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