

RQ-2022-03-07-59

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 4/28/2022 9:37

| *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 |                                                    |
| 0.8<br>1.4<br>2.9   |                 |                                        |          | 7<br>13<br>7                          |               | ✓<br>✓<br>✓ |          |    | 5225 55459516<br>5 9293 8015 2124<br>5225 55459527 |
|                     |                 |                                        |          |                                       |               |             |          |    |                                                    |
|                     |                 |                                        |          |                                       |               |             |          |    |                                                    |
|                     |                 |                                        |          |                                       |               |             |          |    |                                                    |
|                     |                 |                                        |          |                                       |               |             |          |    |                                                    |
|                     |                 |                                        |          |                                       |               |             |          |    |                                                    |

## 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 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# \_\_\_\_\_
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# \_\_\_\_\_
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# \_\_\_\_\_
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# \_\_\_\_\_

Chain of Custody/ Field Sheet(s) Included?

Yes \_\_\_\_\_ No \_\_\_\_\_

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes \_\_\_\_\_ No \_\_\_\_\_

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA \_\_\_\_\_

Evidence Tape intact? Yes \_\_\_\_\_ No \_\_\_\_\_

If Criminal, photographs taken?

Yes \_\_\_\_\_ No \_\_\_\_\_

Containers intact? Yes \_\_\_\_\_ No \_\_\_\_\_

Caps on tight?

Yes \_\_\_\_\_ No \_\_\_\_\_

Sufficient Sample Volume:

Yes \_\_\_\_\_ No \_\_\_\_\_

If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# \_\_\_\_\_

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes \_\_\_\_\_ No \_\_\_\_\_ Init: IM

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No \_\_\_\_\_ Init: 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: 4/28/2022

Event contains NCRs (Y/N)?

Event ID:

Keys 2022 - Day A - 5 sites

SE-DIST-2022-04-28-01 (SMP)

Date Received: 28-APR-2022 09:37

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

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

### Additional Comments:

### ENCORE SAMPLES

**S-VOC-MS samples in Encores must be frozen within 48 hours of collection.**

Were Encore samples received? Yes \_\_\_\_\_ Init: \_\_\_\_\_

Date and time placed in freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ No \_\_\_\_\_

If no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

### **FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check(W-HG-AF;W-HG-AF-F):**

Samples preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 4/27/2022      **Collected By:** Andrew Luering, Drew Liddick  
**Customer:**      **Sampling Agency:** FDEP  
**RQ:** RQ-2022-03-07-59      **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:** 3

**Delivery Method:** FedEx

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

| Site Location                           | Field ID/WIN ID                                                                                  |
|-----------------------------------------|--------------------------------------------------------------------------------------------------|
| Gulf of Mexico near Plantation Key      | <br>G5SE0123   |
| Gulf of Mexico mouth of Tavernier Creek | <br>G5SE0124  |
| Gulf of Mexico mouth of Snake Creek     | <br>G5SE0122 |
| Atlantic Ocean Whale Harbor Channel     | <br>G5SE0126 |
| Atlantic Ocean near Islamorada          | <br>G5SE0125 |

RELINQUISHED BY(SIGNATURE):

DATE/TIME: 4/27/2022  
1600 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By:

IM

Rec'd/Inspected  
Date:

4/28/22



|                                                                                                                                 |                                                        |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| RQ-2022-03-07-59                                                                                                                | Collected By: Andrew Luering, Drew Liddick             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Andrew Luering, Drew Liddick |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                  |
| WIN ID/Field ID: <br>WIN ID/Field ID: G5SE0123 | Comments:                                              |

**Location:**

Location: Gulf of Mexico near Plantation Key

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 4/27/2022 1100      | 6.69      | 103.3     | 26.4     | 8.16 | 0.3              | 1.3          | 1.3             | 58366               | 38.94          |

  

| 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 #                                                                       | SA1308030                                | Exp:          | 12/01/2022   |     |             |           |                       |              |   |   |
| 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            | A |   |
| Physical/Aggregate (Fresh) (P-1L)  |                   | Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-C / 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 Coll                                                                      |                                          | F Coll        |              |     | Enterococci |           |                       |              |   |   |
|                                    |                   | Contract Lab                                                                |                                          |               |              |     | Ice         |           |                       |              |   |   |
| 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                               | X             | W-PSNP-TQ    |     |             | MCAA Exp. | MCAA Lot#             | 4            | A |   |
|                                    |                   | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA Buffer Solution) |               | W-CT-CL-R    | X   | Ice         |           |                       |              |   |   |
|                                    | X                 | W-TR-SQ-R                                                                   | W-PCB-TQ-R                               |               |              |     |             |           |                       |              |   |   |
| Phytoplankton                      |                   | DTY-QN-C                                                                    | PKD-QN-BV                                |               |              |     | Ice         |           |                       |              |   |   |



|                                                                                                                                 |                                                        |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| RQ-2022-03-07-59                                                                                                                | Collected By: Andrew Luering, Drew Liddick             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Andrew Luering, Drew Liddick |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                  |
| WIN ID/Field ID: <br>WIN ID/Field ID: G5SE0124 | Comments:                                              |

**Location:**  
Location: Gulf of Mexico mouth of Tavernier Creek

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)        |              |   |
|------------------------------------|-----------|-------------------|-----------------------------------------------------------------------------|------------------------------------------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|---|
| 4/27/2022<br>1110                  | 7.07      | 108.2             | 26.3                                                                        | 8.18                                     | 0.3              | 2.66         | 2.66            | 56100               | 37.23                 |              |   |
| 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 #                                                                       | SA1308030                                | Exp:             |              | 12/01/2022      | X                   | <2                    | 1            | A |
| Metals (P-500ML)                   |           |                   | W-ICPMS                                                                     |                                          | W-ICP            | W-HARD       | Ice             |                     | HNO3*                 |              |   |
|                                    |           |                   | Lot #                                                                       |                                          | Exp:             |              |                 |                     | <2                    |              |   |
| 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            | A |
| Physical/Aggregate (Fresh) (P-1L)  |           |                   | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS |                                          |                  |              | Ice             |                     |                       |              |   |
| Physical/Aggregate (Marine) (P-1L) |           | X                 | Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                              |                                          |                  | X            | Ice             |                     |                       | 1            | A |
| 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)      |           |                   | W-E8321-DI                                                                  | W-E8321-MS                               | X                | W-PSNP-TQ    |                 | MCAA Exp.           | MCAA Lot#             | 2            | A |
|                                    |           |                   | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA Buffer Solution) |                  | W-CT-CL-R    | X               | Ice                 |                       |              |   |
|                                    |           | X                 | W-TR-SQ-R                                                                   | W-PCB-TQ-R                               |                  |              |                 |                     |                       |              |   |
| Phytoplankton                      |           |                   | DTY-QN-C                                                                    | PKD-QN-BV                                |                  |              | Ice             |                     |                       |              |   |



RQ-2022-03-07-59

Customer: FDEP

Project ID: SMP

Collected By: Andrew Luering, Drew Liddick

Field Report Prepared by: Andrew Luering, Drew Liddick

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G5SE0122

Location:

Location: Gulf of Mexico mouth of Snake Creek

Matrix: Marine

(Check One) ☒ Grab ☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. @ | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTH) |
|---------------------|-----------|-----------|---------|------|------------------|--------------|-----------------|---------------------|-----------------|
| 4/27/2022 1135      | 6.78      | 104.7     | 26.5    | 8.11 | 0.3              | 2.22         | 2.22            | 57335               | 38.15           |

  

| 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 # SA1308030                                                           | Exp: 12/01/2022                          |              |           |          |             | 1                     | A            |
| Metals (P-500ML)                   |                   | W-ICPMS                                                                   | W-ICP                                    |              | Ice       |          | HNO3*       |                       |              |
|                                    |                   | Lot #                                                                     | Exp:                                     |              |           |          |             | <2                    |              |
| 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                     | 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                                                                    | F Coli                                   |              | Ice       |          | Enterococci |                       |              |
|                                    |                   | Contract Lab                                                              |                                          |              |           |          |             |                       |              |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                 | PCR-BacR                                 |              | Ice       |          | 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                               | X            | W-PSNP-TQ |          | MCAA Exp.   | MCAA Lot#             |              |
|                                    |                   | W-PCL-TQ-R                                                                | W-CARB-AA (5 ml of MCAA Buffer Solution) |              | W-CT-CL-R | X        | Ice         |                       | 2            |
|                                    | X                 | W-TR-SQ-R                                                                 | W-PCB-TQ-R                               |              |           |          |             |                       | A            |
| Phytoplankton                      |                   | DTY-QN-C                                                                  | PKD-QN-BV                                |              | Ice       |          |             |                       |              |



|                                                                                                                                 |                                                        |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| RQ-2022-03-07-59                                                                                                                | Collected By: Andrew Luering, Drew Liddick             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Andrew Luering, Drew Liddick |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                  |
| WIN ID/Field ID: <br>WIN ID/Field ID: G5SE0126 | Comments:                                              |

**Location:**  
Location: Atlantic Ocean Whale Harbor Channel

Matrix: Marine (Check One) ☒ Grab ☐ Composite

| Date and Time {EST}                | DO (mg/L) | DO (%SAT)                                                                   | Temp. © | pH                                       | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT)        |              |  |  |
|------------------------------------|-----------|-----------------------------------------------------------------------------|---------|------------------------------------------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|--|--|
| 4/27/2022<br>1205                  | 6.68      | 101.9                                                                       | 26      | 8.07                                     | 0.3              | 1.47         | 1.47            | 56782               | 37.75                 |              |  |  |
| 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 # SA1308030                                                             |         | Exp: 12/01/2022                          |                  |              |                 |                     |                       |              |  |  |
| Metals (P-500ML)                   |           | W-ICPMS                                                                     |         | W-ICP                                    |                  |              | Ice             |                     | HNO3*                 |              |  |  |
|                                    |           | 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 A          |  |  |
| Physical/Aggregate (Fresh) (P-1L)  |           | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS |         |                                          |                  |              | Ice             |                     |                       |              |  |  |
| Physical/Aggregate (Marine) (P-1L) | X         | Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                              |         |                                          |                  | X            | Ice             |                     |                       | 1 A          |  |  |
| Macroinvertebrates (PJ-2L)         |           | MI-FW-QLDC                                                                  |         | Formalin Lot #                           |                  |              | Formalin        |                     |                       |              |  |  |
| Periphyton (PT-50ML)               |           | ALGAE-ID                                                                    |         |                                          |                  |              | Ice             |                     |                       |              |  |  |
| Microbiology (Contract Lab Bottle) |           | E Coli                                                                      |         | F Coli                                   |                  |              | Ice             |                     |                       |              |  |  |
|                                    |           | Contract Lab                                                                |         |                                          |                  |              |                 |                     |                       |              |  |  |
| Molecular (QPCR-P-500ML)           |           | PCR-HF183                                                                   |         | PCR-BacR                                 |                  |              | 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                               |                  | X            | W-PSNP-TQ       |                     | MCAA Exp.             | MCAA Lot#    |  |  |
|                                    |           | W-PCL-TQ-R                                                                  |         | W-CARB-AA (5 ml of MCAA Buffer Solution) |                  |              | W-CT-CL-R       | X                   | Ice                   |              |  |  |
|                                    | X         | W-TR-SQ-R                                                                   |         | W-PCB-TQ-R                               |                  |              |                 |                     |                       | 2 A          |  |  |
| Phytoplankton                      |           | DTY-QN-C                                                                    |         | PKD-QN-BV                                |                  |              | Ice             |                     |                       |              |  |  |



|                                                                                                                                 |                                                        |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| RQ-2022-03-07-59                                                                                                                | Collected By: Andrew Luering, Drew Liddick             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Andrew Luering, Drew Liddick |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                  |
| WIN ID/Field ID: <br>WIN ID/Field ID: G5SE0125 | Comments:                                              |

**Location:**

Location: Atlantic Ocean near Islamorada

Matrix: Marine

(Check One) ☒ Grab ☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. © | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |
|---------------------|-----------|-----------|---------|------|------------------|--------------|-----------------|---------------------|----------------|
| 4/27/2022 1235      | 6.98      | 107.7     | 26.6    | 8.13 | 0.3              | 2.11         | 2.11            | 57457               | 38.26          |

  

| 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 #                                                                        | SA1308030                                | Exp:          | 12/01/2022 | X        | <2                    | 1            |
| Metals (P-500ML)                   |                   | W-ICPMS                                                                      | W-ICP                                    | W-HARD        | Ice        |          | HNO3*                 |              |
|                                    |                   | Lot #                                                                        |                                          | Exp:          |            |          | <2                    |              |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                      | Field Filtered 0.45 µm Filter            |               |            |          |                       |              |
|                                    |                   | Filter Lot #                                                                 |                                          | Syringe Lot # |            |          |                       |              |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                   |                                          |               |            |          |                       |              |
|                                    |                   |                                                                              |                                          |               |            |          |                       |              |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                   |                                          |               | X          |          |                       |              |
|                                    |                   |                                                                              |                                          |               |            |          |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  |                   | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS |                                          |               |            |          |                       |              |
|                                    |                   |                                                                              |                                          |               |            |          |                       |              |
| Physical/Aggregate (Marine) (P-1L) | X                 | Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                               |                                          |               | X          |          |                       |              |
|                                    |                   |                                                                              |                                          |               |            |          |                       |              |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                   | Formalin Lot #                           |               |            |          |                       |              |
|                                    |                   |                                                                              |                                          |               |            |          |                       |              |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                     |                                          |               |            |          |                       |              |
|                                    |                   |                                                                              |                                          |               |            |          |                       |              |
| Microbiology (Contract Lab Bottle) |                   | E Coli                                                                       | F Coli                                   | Enterococci   |            |          |                       |              |
|                                    |                   | Contract Lab                                                                 |                                          |               |            |          |                       |              |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                    | PCR-BacR                                 | PCR-DG3       |            |          |                       |              |
|                                    |                   | PCR-GULL2                                                                    | PCR-GFD                                  |               |            |          |                       |              |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                   | W-E8321-MS                               |               |            |          |                       |              |
|                                    |                   |                                                                              |                                          |               |            |          |                       |              |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-E8321-DI                                                                   | W-E8321-MS                               | X             | W-PSNP-TQ  |          | MCAA Exp.             | MCAA Lot#    |
|                                    |                   | W-PCL-TQ-R                                                                   | W-CARB-AA (5 ml of MCAA Buffer Solution) |               | W-CT-CL-R  | X        | Ice                   |              |
|                                    | X                 | W-TR-SQ-R                                                                    | W-PCB-TQ-R                               |               |            |          |                       |              |
|                                    |                   |                                                                              |                                          |               |            |          |                       |              |
| Phytoplankton                      |                   | DTY-QN-C                                                                     | PKD-QN-BV                                |               |            |          |                       |              |
|                                    |                   |                                                                              |                                          |               |            |          |                       |              |



Date of Request: 24-FEB-2022  
 Created By: SKAGGS\_J On: 24-FEB-2022  
 Modified By: JASROTIA\_P On: 28-FEB-2022  
 Customer: SE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Southeast District  
 Event Description: Keys 2022 - Day A - 5 sites

**Send Coolers To:**

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

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 28-FEB-2022  
 Biology Request Reviewed By: JASROTIA\_P On: 28-FEB-2022  
 Sampling Kit Required: YES Ship on: 04-MAR-2022  
 Sampling Kit Shipped: YES On: 03-MAR-2022  
 Sampling Kit Packed By: ROBERTS\_Z  
 Preservatives Needed: NO  
 Date to Receive Samples: 18-MAR-2022  
 Logged In By:

**Send Final Report To:**

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

Comments: \*Sampler Comments

Bottle Group A (5) - update with WIN stations  
 This RQ will cover 5 of the sites below

SE-6006A-A  
 SE-6006A-B  
 SE-6006A-C  
 SE-8086

SE-6009-A  
 SE-6009-B  
 SE-6009-C  
 SE-6009-D  
 SE-6009-E

#####  
 W-TR-SQ-R (sunscreen)

Wash your hands thoroughly and wear gloves. Refrain from using sunscreens on the day of sample collection.  
 #####

**Bottle Group A (Water) With 5 Samples:**

|                      |                      |                                                                                                              |
|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L    | Number of Bottles: 5 | 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: 5 | Preserved With: ICE                                                                                          |
| CHLSUITE-W           | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-500ML | Number of Bottles: 5 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                       |

**Bottle Group A (Water) With 5 Samples:**

|                      |                       |                                                                                          |
|----------------------|-----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 5  | Preserved With: ICE And H2SO4                                                            |
| W-NH3                | Template: DEFAULT     | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                               |
| W-NO2NO3             | Template: DEFAULT     | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                       |
| W-S-A-TP             | Template: DEFAULT     | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                      |
| W-TKN                | Template: DEFAULT     | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                         |
| W-TOC                | Template: DEFAULT     | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices                         |
| Bottle Type: P-125ML | Number of Bottles: 5  | Preserved With: FILTER-ICE                                                               |
| W-PO4-F              | Template: DEFAULT     | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |
| Bottle Type: BG-1L   | Number of Bottles: 12 | 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                        |

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