

## Klug, Kyle

---

**From:** Mostyn, Jessica  
**Sent:** Monday, May 20, 2024 12:43  
**To:** Klug, Kyle; Musson, Curtis  
**Cc:** King, Michael; Meyer, Sarah; Ayres, Joshua; O'Donnell, Kevin  
**Subject:** RE: FLDEP Temporary Lab Closure

Hi Kyle,

Please go ahead and run the metals that would not be "Q" or "Y" qualified.

We heard in this morning's Extended Leadership meeting that some analysis may be lacking standards and so complete kits may not be able to be run. We'll still be interested in any SCI's that can be salvaged too of course.

Thank you,  
Jess

**From:** Klug, Kyle <Kyle.Klug@FloridaDEP.gov>  
**Sent:** Monday, May 20, 2024 10:08 AM  
**To:** Musson, Curtis <Curtis.Musson@FloridaDEP.gov>; Mostyn, Jessica <Jessica.Mostyn@dep.state.fl.us>  
**Cc:** King, Michael <Michael.King@dep.state.fl.us>; Meyer, Sarah <Sarah.Meyer@dep.state.fl.us>; Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>  
**Subject:** RE: FLDEP Temporary Lab Closure  
**Importance:** High

Good morning,

We finally received the coolers for RQ-2024-04-29-38 (SE-DIST) and RQ-2024-05-06-49 (NW-DIST/SCI) that were collected on 5/9/24. All the data other than metals would be either "Q" or "Y" qualified, how would you like us to proceed with these?

Thank you,  
Kyle

**From:** Musson, Curtis <Curtis.Musson@FloridaDEP.gov>  
**Sent:** Friday, May 17, 2024 11:05  
**To:** Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>; Mostyn, Jessica <Jessica.Mostyn@dep.state.fl.us>  
**Cc:** King, Michael <Michael.King@dep.state.fl.us>; Meyer, Sarah <Sarah.Meyer@dep.state.fl.us>; Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; Cobb, Devan R. <Devan.R.Cobb@dep.state.fl.us>  
**Subject:** RE: FLDEP Temporary Lab Closure

Josh,

Cancel all samples for SMP projects that are currently in-house but have not yet been analyzed and would be qualified due to improper preservation or that are out of hold time.

Cancel: Nutrient, chlorophyll, organics, micro, qPCR.

Keep: Metals, SCI, Algal ID?

Curtis

**From:** Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>

**Sent:** Friday, May 17, 2024 10:56 AM

**To:** Mostyn, Jessica <Jessica.Mostyn@dep.state.fl.us>; Musson, Curtis <Curtis.Musson@FloridaDEP.gov>

**Cc:** King, Michael <Michael.King@dep.state.fl.us>; Meyer, Sarah <Sarah.Meyer@dep.state.fl.us>; Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; Cobb, Devan R. <Devan.R.Cobb@dep.state.fl.us>

**Subject:** RE: FLDEP Temporary Lab Closure

Just to clarify, you want to cancel all nutrient and chlorophyll samples for SMP projects that are currently in-house but have not yet been analyzed.

Additionally, please be aware that while we address the cooler packing backlog and catch up on shipping sampling kits, resampling kits will be given the lowest priority.

1. Priority 1 RQs
2. RQs already in the queue
3. Resampling RQs



**JOSHUA AYRES**

Environmental Administrator

Scientific Services Support Program

FDEP Laboratories

Voice: 850.245.8206

[Joshua.Ayres@FloridaDep.gov](mailto:Joshua.Ayres@FloridaDep.gov)

**From:** Mostyn, Jessica <Jessica.Mostyn@dep.state.fl.us>

**Sent:** Friday, May 17, 2024 9:28 AM

**To:** Musson, Curtis <Curtis.Musson@FloridaDEP.gov>; Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>

**Cc:** King, Michael <Michael.King@dep.state.fl.us>; Meyer, Sarah <Sarah.Meyer@dep.state.fl.us>; Klug, Kyle <Kyle.Klug@FloridaDEP.gov>

**Subject:** RE: FLDEP Temporary Lab Closure

Thank you, Curtis! I agree with your recommendation to cancel Project SMP tests that would be qualified with a "Y".

I hope everyone is well!  
Jess



**Jessica Mostyn**

Florida Department of Environmental Protection

Division of Environmental Assessment & Restoration

Watershed Assessment Section

Environmental Administrator

[Jessica.Mostyn@FloridaDEP.gov](mailto:Jessica.Mostyn@FloridaDEP.gov)

Office: 850-245-8441

**From:** Musson, Curtis <Curtis.Musson@FloridaDEP.gov>

**Sent:** Friday, May 17, 2024 9:20 AM

**To:** Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>

**Cc:** Mostyn, Jessica <Jessica.Mostyn@dep.state.fl.us>; King, Michael <Michael.King@dep.state.fl.us>; Meyer, Sarah <Sarah.Meyer@dep.state.fl.us>; Klug, Kyle <Kyle.Klug@FloridaDEP.gov>

**Subject:** RE: FLDEP Temporary Lab Closure

**Jess,**

Per yellow highlighted text below.

For Project SMP, I recommend canceling any test that is going to get qualified for improper preservation, "Y". This "Y" is a fatal qualifier and the results will not be used IWR assessments. I assume the lab has a lot of work to do to get up and running again and processing a bunch of compromised samples will only slow them down.

**Josh,**

When the time comes to decide the fate of the temperature compromised samples please work with Jess. For the time being Jess is the SMP contact.

**Sarah, Mike, Jess,**

SMP resampling is triggered when one or more of the NNC analytes (TKN, NO3O2, TP, CHLAC) are missing or fatally qualified. Resampling is not triggered when the Non-NNC analytes (Metals, Micro, Organics, qPCR, BOD) are compromised.

If resampling is triggered all analytes/bottles required per the SMP should be collected.

- Make the most out of the sampling event.
- More data is a good thing 99% of the time.

Sites needing to be resampled are identified in the ROC Data Report. Phill H. will be sending the report the first week of each month.

**Thanks,  
Curtis**

**From:** Ayres, Joshua <Joshua.Ayres@FloridaDEP.gov>

**Sent:** Wednesday, May 15, 2024 11:26 AM

**To:** Musson, Curtis <Curtis.Musson@FloridaDEP.gov>

**Subject:** RE: FLDEP Temporary Lab Closure

Yes.

The Generator failed, everything in the fridges & freezer will need to be NCR'd or cancelled.



**JOSHUA AYRES**

Environmental Administrator

Scientific Services Support Program

FDEP Laboratories

Voice: 850.245.8206

[joshua.Ayres@FloridaDep.gov](mailto:joshua.Ayres@FloridaDep.gov)

**From:** Musson, Curtis <[Curtis.Musson@FloridaDEP.gov](mailto:Curtis.Musson@FloridaDEP.gov)>  
**Sent:** Wednesday, May 15, 2024 11:11 AM  
**To:** Ayres, Joshua <[Joshua.Ayres@FloridaDEP.gov](mailto:Joshua.Ayres@FloridaDEP.gov)>  
**Subject:** RE: FLDEP Temporary Lab Closure

Did the sample refrigerator turn off?  
Did we lose a bunch of bottles?  
Curtis

**From:** Ayres, Joshua <[Joshua.Ayres@FloridaDEP.gov](mailto:Joshua.Ayres@FloridaDEP.gov)>  
**Sent:** Wednesday, May 15, 2024 11:09 AM  
**To:** Ayres, Joshua <[Joshua.Ayres@FloridaDEP.gov](mailto:Joshua.Ayres@FloridaDEP.gov)>  
**Subject:** FLDEP Temporary Lab Closure

Dear Customers and Colleagues,

Due to recent storm events that have devastated Tallahassee and the surrounding areas, the DEP Central Lab will not be accepting samples until further notice. Please refrain from sending any samples for processing at this time. We will notify you as soon as we are operational again.

Please forward this information on to samplers and sub-contracted sampling groups.

Thank you for your understanding and patience. If you have any questions, please contact me.

Bcc'd 432 customers & colleagues.



**JOSHUA AYRES**  
Environmental Administrator  
Scientific Services Support Program  
FDEP Laboratories  
Voice: 850.245.8206  
[joshua.Ayres@FloridaDep.gov](mailto:joshua.Ayres@FloridaDep.gov)

# Login Checklist

RQ- 2024-04-29-38

Login Station ID: #1

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 05/ 20 /24 @ 8:50

| *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 |                    |
| 25.4                |                 |                                        |          | 12                                    |               | ✓  |          |    | 7281 6630 5914     |
| 24.9                |                 |                                        |          | 15                                    |               | ✓  |          |    | 7281 6630 5899     |
| 25.1                |                 |                                        |          | 6                                     |               | ✓  |          |    | 7281 6630 5888     |
| 25.1                |                 |                                        |          | 12                                    |               | ✓  |          |    | 7281 6630 5903     |

## COOLER CHECK

\*All samples received on ice unless otherwise noted. HNO3 and Formalin preserved samples do NOT have a temperature requirement.

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

Chain of Custody/ Field Sheet(s) Included?

Yes ✓ No \_\_\_\_\_

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

Yes \_\_\_\_\_ No ✓

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA ✓

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

If Criminal, photographs taken?

Yes ✓ No \_\_\_\_\_

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

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: kh

Chlorine detected? (One container checked per Field ID)

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

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

**PRESERVATION CHECK** (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

\*\*Acid Preserved Samples: pH< 2.0?

Yes ✓ No \_\_\_\_\_ NA \_\_\_\_\_ Init: kh

\*\*W-1-4-DIOX (Green dot on container) preserved to pH< 4.0?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA ✓ Init: kh

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

Coolers Unpacked/Checked by: kh

Date: 05/ 20 /24

Event contains NCRs (Y/N)? N

EventID SMP - Sebastian  
SE-DIST-2024-05-21-02 (SMP)

Date Received: 20-MAY-2024 08:50

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

|                          |                                 |
|--------------------------|---------------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #1   Exp:10/16/2024 |
| pH Test Strips 0 – 6     | Lot#223819BV   Exp:8/15/24      |
| pH Paper 0 – 3           |                                 |
| pH Paper 0 – 13          | Lot# 228323   Exp:10/01/26      |
| Chlorine Test Strips     | Lot#3180A   Exp:4/26            |

### Additional Comments:

Metals only

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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 5/9/2024 **Collected By:** Natalie Howard, Drew Liddick  
**Customer:** SE-DIST **Sampling Agency:** FDEP  
**RQ:** RQ-2024-04-29-38 **Project ID:** SMP

**EDD file path:** [https://floridadep.sharepoint.com/dear/Sample%20Receiving/2024/2024-04-29-38\\_SE-DIST\\_COC\\_EDD\\_2024\\_05\\_09.txt](https://floridadep.sharepoint.com/dear/Sample%20Receiving/2024/2024-04-29-38_SE-DIST_COC_EDD_2024_05_09.txt)

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL  
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

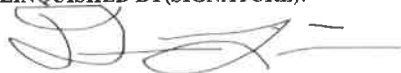
**Number of Coolers Shipped:** 4

**Delivery Method:** FedEx

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

| Site Location                              | Field ID/WIN ID                                                                                     |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------|
| C 54 1700M WEST OF I 95                    | <br>G5SE0062      |
| NORTH PRONG SEBASTIAN NEAR WILDEN RD       | <br>G5SE0147      |
| LAKE HARDEE AT BARBER ST BRIDGE            | <br>G5SE0152    |
| SOUTH PRONG SEBASTIAN NEAR CANOE<br>LAUNCH | <br>G5SE0151    |
| ELKHAM WATERWAY NEAR PERIWINKLE DR         | <br>G5SE0142    |
| SOUTH PRONG SEBASTIAN AT PARK DOCK         | <br>G5SE0079    |
| FB                                         | <br>FB_05092024 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 5/9/2024 1315  
EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By: *HK*

Rec'd/Inspected

Date: *5-20-24 / 0850*



RQ-2024-04-29-38

Customer: FDEP

Project ID: SMP

Collected By: Natalie Howard, Drew Liddick

Field Report Prepared by: Natalie Howard, Drew Liddick

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G5SE0079

Comments:

Location: SOUTH PRONG SEBASTIAN AT PARK DOCK

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 (PPTH) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|--------------------|-----------------|
| 5/9/2024 1110       | 4.11      | 63.8      | 30.1     | 7.63 | 0.3              | 0.8          | 0.84            | 43968              | 28.39           |

| 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      | D  |   |   |
|                                    |                   | Lot #                                                                       | SA3340020                         |                                          | Exp:         | 12/11/2024  |          |        |                       |              |        |    |   |   |
| Metals (P-500ML)                   | X                 | W-ICPMS                                                                     | X                                 | W-ICP                                    | X            | W-HARD      | X        | Ice    | X                     | HNO3*        | X      | <2 | 1 | D |
|                                    |                   | Lot #                                                                       | NA3193130                         |                                          | Exp:         | 07/27/2024  |          |        |                       |              |        |    |   |   |
| 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            | D      |    |   |   |
| 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            | D      |    |   |   |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                   |                                          |              |             | Ice      |        |                       |              |        |    |   |   |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                  |                                   | Formalin Lot #                           |              |             | Formalin |        |                       |              |        |    |   |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                    |                                   |                                          |              |             | Ice      |        |                       |              |        |    |   |   |
| Microbiology (Contract Lab Bottle) |                   | E Coli                                                                      |                                   | F Coli                                   | X            | Enterococci | X        | Ice    |                       | 1            | D      |    |   |   |
|                                    |                   | Contract Lab                                                                |                                   |                                          |              |             |          |        |                       |              |        |    |   |   |
| Molecular (QPCR-P-500ML)           | X                 | PCR-HF183                                                                   | X                                 | PCR-BacR                                 | X            | PCR-DG3     | X        | Ice    |                       | 1            | D      |    |   |   |
|                                    |                   | PCR-GULL2                                                                   |                                   | PCR-GFD                                  |              |             |          |        |                       |              |        |    |   |   |
| Tracers (BG-500ML)                 | X                 | W-E8321-DI                                                                  | X                                 | W-E8321-MS                               |              | X           | Ice      |        |                       | 1            | D      |    |   |   |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-E8321-DI                                                                  |                                   | W-E8321-MS                               |              | W-PSNP-TQ   | X        | Ice    | MCAA Exp.             | MCAA Lot#    | 4 or 4 | D  |   |   |
|                                    | X                 | W-PCL-TQ-R                                                                  |                                   | W-CAR8-AA (5 ml of MCAA Buffer Solution) | X            | W-CT-CL-R   |          |        |                       |              |        |    |   |   |
|                                    |                   | W-TR-SQ-R                                                                   | X                                 | W-PCB-TQ-R                               |              |             |          |        |                       |              |        |    |   |   |
| Phytoplankton (BP-1L)              |                   | DTY-QN-C                                                                    |                                   | PKD-QN-BV                                |              |             | Ice      |        |                       |              |        |    |   |   |
| DOC (P-500ML)                      |                   | W-DOC                                                                       |                                   | Field Filtered 0.45 µm Filter            |              |             | Ice      |        | H2SO4*                |              | <2     |    |   |   |
|                                    |                   |                                                                             | Acid Preservative Expiration Date |                                          |              |             |          |        |                       |              |        |    |   |   |
|                                    |                   |                                                                             | Acid Preservative Lot Number      |                                          |              |             |          |        |                       |              |        |    |   |   |



RQ-2024-04-29-38

Customer: FDEP

Project ID: SMP

Collected By: Natalie Howard, Drew Liddick

Field Report Prepared by: Natalie Howard, Drew Liddick

Sampling Agency: FDEP

WIN ID/Field ID:

WIN ID/Field ID: FB\_05092024

Comments:

Location: FB

Matrix: W-FIELD-BLANK

(Check One)

✓ Grab

□ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. °C | pH | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTH) |
|---------------------|-----------|-----------|----------|----|------------------|--------------|-----------------|---------------------|-----------------|
| 5/9/2024<br>1115    |           |           |          |    |                  |              |                 |                     |                 |

| 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 #                                                                        | SA3340020 | Exp:                                     |              | 12/11/2024  |          |           |                       |              |
| Metals (P-500ML)                   | X                 | W-ICPMS                                                                      | X         | W-ICP                                    | X            | W-HARD      | X        | Ice       | X                     | HNO3*        |
|                                    |                   | Lot #                                                                        | NA3193130 | Exp:                                     |              | 07/27/2024  |          |           |                       |              |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                      |           | Field Filtered 0.45 µm Filter            |              |             |          |           |                       |              |
|                                    |                   | Filter Lot #                                                                 |           | Syringe Lot #                            |              |             |          |           |                       |              |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                   |           |                                          |              | Ice         |          |           |                       |              |
| Chlorophyll (BP-1L)                |                   | CHLSUITE-W                                                                   |           |                                          |              | Ice         |          |           |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W- TDS |           |                                          | X            | Ice         |          |           |                       |              |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                         |           |                                          |              | Ice         |          |           | 1                     | H            |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                   |           | Formalin Lot #                           |              | Formalin    |          |           |                       |              |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                     |           |                                          |              | Ice         |          |           |                       |              |
| Microbiology (Contract Lab Bottle) |                   | E Coli                                                                       |           | F Coli                                   |              | Enterococci |          |           |                       |              |
|                                    |                   | Contract Lab                                                                 |           |                                          |              | Ice         |          |           |                       |              |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                    |           | PCR-BacR                                 |              | PCR-DG3     |          |           |                       |              |
|                                    |                   | PCR-GULL2                                                                    |           | PCR-GFD                                  |              |             |          |           |                       |              |
| Tracers (BG-500ML)                 | X                 | W-E8321-DI                                                                   | X         | W-E8321-MS                               | X            | Ice         |          |           | 1                     | H            |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-E8321-DI                                                                   |           | W-E8321-MS                               |              | W-PSNP-TQ   |          | 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 (BP-1L)              |                   | DTY-QN-C                                                                     |           | PKD-QN-BV                                |              | Ice         |          |           |                       |              |
| DOC (P-500ML)                      |                   | W-DOC                                                                        |           | Field Filtered 0.45 µm Filter            |              | Ice         |          | H2SO4*    |                       |              |
|                                    |                   |                                                                              |           | Acid Preservative Expiration Date        |              |             |          |           | <2                    |              |
|                                    |                   |                                                                              |           | Acid Preservative Lot Number             |              |             |          |           |                       |              |



|                                                                                                                                 |                                                        |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| RQ-2024-04-29-38                                                                                                                | Collected By: Natalie Howard, Drew Liddick             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Natalie Howard, Drew Liddick |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                  |
| WIN ID/Field ID: <br>WIN ID/Field ID: G5SE0062 | Comments:                                              |

Location: C 54 1700M WEST OF I 95

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST}                | DO (mg/L) | DO (%SAT)                                                                    | Temp. °C       | pH                                       | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPTH)       |              |   |  |  |
|------------------------------------|-----------|------------------------------------------------------------------------------|----------------|------------------------------------------|------------------|--------------|-----------------|--------------------|-----------------------|--------------|---|--|--|
| 5/9/2024<br>845                    | 7.29      | 93.4                                                                         | 28.1           | 7.98                                     | 0.3              | 0.65         | 0.65            | 773                | 0.37                  |              |   |  |  |
| 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 #                                                                        | SA3340020      |                                          | Exp:             | 12/11/2024   |                 | X                  | <2                    | 1            | C |  |  |
| 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            | 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-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     |                    |                       |              |   |  |  |
|                                    |           | Contract Lab                                                                 |                |                                          |                  | X            | Ice             |                    |                       | 1            | C |  |  |
| Molecular (QPCR-P-500ML)           | X         | PCR-HF183                                                                    | X              | PCR-BacR                                 | X                | PCR-DG3      |                 |                    |                       |              |   |  |  |
|                                    |           | PCR-GULL2                                                                    |                | PCR-GFD                                  |                  |              |                 |                    |                       | 1            | C |  |  |
| Tracers (BG-500ML)                 | X         | W-E8321-DI                                                                   | X              | W-E8321-MS                               |                  |              |                 |                    |                       | 1            | C |  |  |
| Pesticides (BG-500ML) (BG-1L)      |           | W-E8321-DI                                                                   |                | W-E8321-MS                               |                  | W-PSNP-TQ    |                 |                    |                       |              |   |  |  |
|                                    |           | W-PCL-TQ-R                                                                   |                | W-CARB-AA (5 ml of MCAA Buffer Solution) |                  | W-CT-CL-R    |                 |                    |                       |              |   |  |  |
|                                    |           | W-TR-SQ-R                                                                    |                | W-PCB-TQ-R                               |                  |              |                 |                    |                       |              |   |  |  |
| Phytoplankton (BP-1L)              |           | DTY-QN-C                                                                     |                | PKD-QN-BV                                |                  |              | Ice             |                    |                       |              |   |  |  |
| DOC (P-500ML)                      |           |                                                                              |                | Field Filtered 0.45 µm Filter            |                  |              | Ice             |                    | H2SO4*                |              |   |  |  |
|                                    |           | W-DOC                                                                        |                | Acid Preservative Expiration Date        |                  |              |                 |                    |                       | <2           |   |  |  |
|                                    |           |                                                                              |                | Acid Preservative Lot Number             |                  |              |                 |                    |                       |              |   |  |  |



|                  |                                                        |
|------------------|--------------------------------------------------------|
| RQ-2024-04-29-38 | Collected By: Natalie Howard, Drew Liddick             |
| Customer: FDEP   | Field Report Prepared by: Natalie Howard, Drew Liddick |
| Project ID: SMP  | Sampling Agency: FDEP                                  |

Comments:

WIN ID/Field ID:   
WIN ID/Field ID: G5SE0147

Location: NORTH PRONG SEBASTIAN NEAR WILDEN 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 (PPTH) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|-----------------|
| 5/9/2024<br>925     | 4.16      | 51.9      | 26.5     | 7.84 | 0.14             | 0.27         | 0.27            | 1097                | 0.54            |

| 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 #                                                                      | SA3340020                         |                                          | Exp:         | 12/11/2024  |          |        |                       |              |    |   |
| 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-CH-C / W-COLOR / W-SO4-IC / W-TDS |                                   |                                          |              | X           | Ice      |        |                       | 1            | B  |   |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                       |                                   |                                          |              |             | Ice      |        |                       |              |    |   |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                 | Formalin Lot #                    |                                          |              |             | Formalin |        |                       |              |    |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                   |                                   |                                          |              |             | Ice      |        |                       |              |    |   |
| Microbiology (Contract Lab Bottle) | X                 | E Coli                                                                     |                                   | F Coli                                   |              | Enterococci | X        | Ice    |                       |              | 1  | B |
|                                    |                   | Contract Lab                                                               |                                   |                                          |              |             |          |        |                       |              |    |   |
| Molecular (QPCR-P-500ML)           | X                 | PCR-HF183                                                                  | X                                 | PCR-BacR                                 | X            | PCR-DG3     | X        | Ice    |                       |              | 1  | B |
|                                    |                   | PCR-GULL2                                                                  |                                   | PCR-GFD                                  |              |             |          |        |                       |              |    |   |
| Tracers (BG-500ML)                 | X                 | W-E8321-DI                                                                 | X                                 | W-E8321-MS                               |              | X           | Ice      |        |                       | 1            | B  |   |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-E8321-DI                                                                 |                                   | W-E8321-MS                               |              | W-PSNP-TQ   |          | 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 (BP-1L)              |                   | DTY-QN-C                                                                   |                                   | PKD-QN-BV                                |              |             | Ice      |        |                       |              |    |   |
| DOC (P-500ML)                      |                   | W-DOC                                                                      |                                   | Field Filtered 0.45 µm Filter            |              |             | Ice      |        | H2SO4*                |              | <2 |   |
|                                    |                   |                                                                            | Acid Preservative Expiration Date |                                          |              |             |          |        |                       |              |    |   |
|                                    |                   |                                                                            | Acid Preservative Lot Number      |                                          |              |             |          |        |                       |              |    |   |



|                                                                                                                                 |                                                        |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| RQ-2024-04-29-38                                                                                                                | Collected By: Natalie Howard, Drew Liddick             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Natalie Howard, Drew Liddick |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                  |
| WIN ID/Field ID: <br>WIN ID/Field ID: G5SE0152 | Comments:                                              |

Location: LAKE HARDEE AT BARBER ST BRIDGE

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)        |              |   |   |
|------------------------------------|-------------------|------------------------------------------------------------------------------|------------------------------------------|-------------------------------|------------------|--------------|-----------------|---------------------|-----------------------|--------------|---|---|
| 5/9/2024<br>1005                   | 6.12              | 78.8                                                                         | 29.2                                     | 7.63                          | 0.29             | 0.58         | 0.58            | 712                 | 0.34                  |              |   |   |
| 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 | G |
|                                    |                   | Lot #                                                                        |                                          | SA3340020                     | Exp:             | 12/11/2024   |                 |                     |                       |              |   |   |
| 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            | G |   |
| 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            | G |   |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                                          |                               |                  |              | Ice             |                     |                       |              |   |   |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                   | Formalin Lot #                           |                               |                  | Formalin     |                 |                     |                       |              |   |   |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                     |                                          |                               |                  |              | Ice             |                     |                       |              |   |   |
| Microbiology (Contract Lab Bottle) | X                 | E Coli                                                                       | F Coli                                   | Enterococci                   | X                | Ice          |                 |                     |                       | 1            | G |   |
|                                    |                   | Contract Lab                                                                 |                                          |                               |                  |              |                 |                     |                       |              |   |   |
| Molecular (QPCR-P-500ML)           | X                 | PCR-HF183                                                                    | X                                        | PCR-BacR                      | X                | PCR-DG3      | X               | Ice                 |                       |              | 1 | G |
|                                    |                   | PCR-GULL2                                                                    |                                          | PCR-GFD                       |                  |              |                 |                     |                       |              |   |   |
| Tracers (BG-500ML)                 | X                 | W-E8321-DI                                                                   | X                                        | W-E8321-MS                    | X                | Ice          |                 |                     |                       | 1            | G |   |
| 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 (BP-1L)              |                   | DTY-QN-C                                                                     | PKD-QN-BV                                |                               |                  | Ice          |                 |                     |                       |              |   |   |
| DOC (P-500ML)                      |                   | W-DOC                                                                        | Field Filtered 0.45 µm Filter            |                               |                  | Ice          | H2SO4*          |                     | <2                    |              |   |   |
|                                    |                   |                                                                              | Acid Preservative Expiration Date        |                               |                  |              |                 |                     |                       |              |   |   |
|                                    |                   |                                                                              | Acid Preservative Lot Number             |                               |                  |              |                 |                     |                       |              |   |   |



|                                                                                                                                 |                                                        |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| RQ-2024-04-29-38                                                                                                                | Collected By: Natalie Howard, Drew Liddick             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Natalie Howard, Drew Liddick |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                  |
| WIN ID/Field ID: <br>WIN ID/Field ID: G5SE0151 | Comments:                                              |

Location: SOUTH PRONG SEBASTIAN NEAR CANOE LAUNCH

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST}                | DO (mg/L)                         | DO (%SAT)                                                                   | Temp. °C                                 | pH                            | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPTH)       |              |   |   |
|------------------------------------|-----------------------------------|-----------------------------------------------------------------------------|------------------------------------------|-------------------------------|------------------|--------------|-----------------|--------------------|-----------------------|--------------|---|---|
| 5/9/2024 1030                      | 5.51                              | 69.6                                                                        | 26.8                                     | 7.55                          | 0.3              | 1.63         | 1.63            | 2421               | 1.24                  |              |   |   |
| 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 | F |
|                                    |                                   | Lot #                                                                       | SA3340020                                |                               | Exp:             | 12/11/2024   |                 |                    |                       |              |   |   |
| 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                     | F            |   |   |
| 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                     | F            |   |   |
| Physical/Aggregate (Marine) (P-1L) |                                   | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                          |                               |                  |              | Ice             |                    |                       |              |   |   |
| Macroinvertebrates (PJ-2L)         |                                   | MI-FW-QLDC                                                                  | Formalin Lot #                           |                               |                  | Formalin     |                 |                    |                       |              |   |   |
| Periphyton (PT-50ML)               |                                   | ALGAE-ID                                                                    |                                          |                               |                  |              | Ice             |                    |                       |              |   |   |
| Microbiology (Contract Lab Bottle) | X                                 | E Coli                                                                      | F Coli                                   | Enterococci                   |                  | X            | Ice             |                    | 1                     | F            |   |   |
|                                    |                                   | Contract Lab                                                                |                                          |                               |                  |              |                 |                    |                       |              |   |   |
| Molecular (QPCR-P-500ML)           | X                                 | PCR-HF183                                                                   | PCR-BacR                                 | X                             | PCR-DG3          | X            | Ice             |                    | 1                     | F            |   |   |
|                                    |                                   | PCR-GULL2                                                                   | PCR-GFD                                  |                               |                  |              |                 |                    |                       |              |   |   |
| Tracers (BG-500ML)                 | X                                 | W-E8321-DI                                                                  | X                                        | W-E8321-MS                    |                  | X            | Ice             |                    | 1                     | F            |   |   |
| 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 (BP-1L)              |                                   | DTY-QN-C                                                                    | PKD-QN-BV                                |                               |                  | Ice          |                 |                    |                       |              |   |   |
| DOC (P-500ML)                      |                                   | W-DOC                                                                       | Field Filtered 0.45 um Filter            |                               |                  | Ice          | H2SO4*          |                    | <2                    |              |   |   |
|                                    | Acid Preservative Expiration Date |                                                                             |                                          |                               |                  |              |                 |                    |                       |              |   |   |
|                                    | Acid Preservative Lot Number      |                                                                             |                                          |                               |                  |              |                 |                    |                       |              |   |   |



RQ-2024-04-29-38

Collected By: Natalie Howard, Drew Liddick

Customer: FDEP

Field Report Prepared by: Natalie Howard, Drew Liddick

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G5SE0142

Comments:

Location: ELKHAM WATERWAY NEAR PERIWINKLE DR

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST}                | DO (mg/L)                         | DO (%SAT)                                                                    | Temp. °C                      | pH                            | Sample Depth (m)                         | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTH) |                       |              |   |    |   |   |
|------------------------------------|-----------------------------------|------------------------------------------------------------------------------|-------------------------------|-------------------------------|------------------------------------------|--------------|-----------------|---------------------|-----------------|-----------------------|--------------|---|----|---|---|
| 5/9/2024 1200                      | 6.48                              | 85.7                                                                         | 30.1                          | 8.05                          | 0.3                                      | 0.9          | 1.44            | 677                 | 0.33            |                       |              |   |    |   |   |
| 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 #                                                                        |                               | SA3340020                     |                                          | Exp:         | 12/11/2024      |                     |                 |                       |              |   |    |   |   |
| 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             |                       | <2           |   |    |   |   |
|                                    |                                   | 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)  | X                                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS |                               |                               |                                          | X            | Ice             | 1                   | A               |                       |              |   |    |   |   |
| Physical/Aggregate (Marine) (P-1L) |                                   | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                               |                               |                                          |              | Ice             |                     |                 |                       |              |   |    |   |   |
| Macroinvertebrates (PJ-2L)         |                                   | MI-FW-QLDC                                                                   | Formalin Lot #                |                               |                                          |              | Formalin        |                     |                 |                       |              |   |    |   |   |
| Periphyton (PT-50ML)               |                                   | ALGAE-ID                                                                     |                               |                               |                                          |              | Ice             |                     |                 |                       |              |   |    |   |   |
| Microbiology (Contract Lab Bottle) | 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-CARB-AA (5 ml of MCAA Buffer Solution) |              | W-CT-CL-R       |                     |                 |                       |              |   |    |   |   |
|                                    |                                   | W-TR-SQ-R                                                                    |                               | W-PCB-TQ-R                    |                                          |              |                 |                     |                 |                       |              |   |    |   |   |
| Phytoplankton (BP-1L)              |                                   | DTY-QN-C                                                                     |                               | PKD-QN-BV                     |                                          |              |                 | Ice                 |                 |                       |              |   |    |   |   |
| DOC (P-500ML)                      |                                   | W-DOC                                                                        | Field Filtered 0.45 um Filter |                               |                                          |              |                 | Ice                 |                 | H2SO4*                | <2           |   |    |   |   |
|                                    | Acid Preservative Expiration Date |                                                                              |                               |                               |                                          |              |                 |                     |                 |                       |              |   |    |   |   |
|                                    | Acid Preservative Lot Number      |                                                                              |                               |                               |                                          |              |                 |                     |                 |                       |              |   |    |   |   |

Date of Request: 08-APR-2024  
Created By: SKAGGS\_J On: 08-APR-2024  
Modified By: AYRES\_J On: 11-APR-2024  
Customer: SE-DIST  
Project: SMP  
Division: Division of Environmental Assessment and Restoration  
District: Southeast District  
Event Description: SMP - Sebastian

**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: 11-APR-2024  
Biology Request Reviewed By: AYRES\_J On: 11-APR-2024  
Sampling Kit Required: YES Ship on: 19-APR-2024  
Sampling Kit Shipped: YES On: 17-APR-2024  
Sampling Kit Packed By: BARNHART\_M  
Preservatives Needed: NO  
Date to Receive Samples: 03-MAY-2024  
Logged In By:

**Send Final Report To:**

FL Dept. of Environmental Protection  
2199 South Rock Road  
Fort Pierce, FL 34945  
Attn: Andrew Luering  
Report Notification EMail:  
jordan.skaggs@floridadep.gov;andrew.luering@floridadep.gov

Comments: Lab Comments:  
Please send 4 coolers for return

Sampler Comments:  
A - G5SE0142 - nut, ecoli, markers, tracers  
B - G5SE0147 - nut, ecoli, markers, tracers  
C - G5SE0062 - nut, ecoli, markers, tracers  
D - G5SE0079 - nut, metals, entero, tracers, CT, PCB,PCL  
E - G5SE0085 - nut, ecoli, markers, tracers (skip?)  
F - G5SE0151 - nut, ecoli, markers, tracers  
G - G5SE0152 - nut, ecoli, markers, tracers  
H - Field Blank - nut, metals, tracers

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

|                    |                      |                                                                                                         |
|--------------------|----------------------|---------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L  | Number of Bottles: 1 | Preserved With: ICE                                                                                     |
| ALKALINITY         | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg 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-2015) Total Dissolved Solids in aqueous matrices                                             |
| W-TSS              | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample         |
| Bottle Type: BP-1L | Number of Bottles: 1 | Preserved With: ICE                                                                                     |
| CHLSUITE-W         | Template: DEFAULT    | (SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry   |

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

|                                           |                                           |                                                                                                                                                                      |
|-------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WO-THI<br>ECOLI-18QT | Number of Bottles: 1<br>Template: DEFAULT | Preserved With: ICE<br>(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                    |
| Bottle Type: QPCR-P-500ML<br>PCR-BACR     | Number of Bottles: 1<br>Template: DEFAULT | Preserved With: ICE<br>(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: BG-500ML<br>W-E8321-DI       | Number of Bottles: 1<br>Template: DEFAULT | Preserved With: ICE<br>(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<br>W-NH3             | Number of Bottles: 1<br>Template: DEFAULT | Preserved With: ICE And H2SO4<br>(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                          |
| W-NO2NO3                                  | Template: DEFAULT                         | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                                                                   |
| W-S-A-TP                                  | Template: DEFAULT                         | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                                                  |
| W-TKN                                     | Template: DEFAULT                         | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                                                     |
| W-TOC                                     | Template: DEFAULT                         | (SM 5310 B-2014) Nonpurgeable Organic Carbon in aqueous matrices                                                                                                     |

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

|                                           |                                           |                                                                                                                                                                      |
|-------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-500ML<br>PCR-BACR     | Number of Bottles: 1<br>Template: DEFAULT | Preserved With: ICE<br>(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: BG-500ML<br>W-E8321-DI       | Number of Bottles: 1<br>Template: DEFAULT | Preserved With: ICE<br>(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<br>W-NH3             | Number of Bottles: 1<br>Template: DEFAULT | Preserved With: ICE And H2SO4<br>(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                          |
| W-NO2NO3                                  | Template: DEFAULT                         | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                                                                   |
| W-S-A-TP                                  | Template: DEFAULT                         | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                                                                  |
| W-TKN                                     | Template: DEFAULT                         | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                                                     |
| W-TOC                                     | Template: DEFAULT                         | (SM 5310 B-2014) Nonpurgeable Organic Carbon in aqueous matrices                                                                                                     |
| Bottle Type: P-1L<br>ALKALINITY           | Number of Bottles: 1<br>Template: DEFAULT | Preserved With: ICE<br>(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<br>Color (true)                   | Template: DEFAULT                         | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                                                                                   |
| 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-2015) Total Dissolved Solids in aqueous matrices                                                                                                          |
| W-TSS                                     | Template: DEFAULT                         | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                                      |
| Bottle Type: BP-1L<br>CHLSUITE-W          | Number of Bottles: 1<br>Template: DEFAULT | Preserved With: ICE<br>(SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                         |
| Bottle Type: P-250ML-WO-THI<br>ECOLI-18QT | Number of Bottles: 1<br>Template: DEFAULT | Preserved With: ICE<br>(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                    |

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

|                                 |                                           |                                                                                      |
|---------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------|
| Bottle Type: P-1L<br>ALKALINITY | Number of Bottles: 1<br>Template: DEFAULT | Preserved With: ICE<br>(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<br>Color (true)         | Template: DEFAULT                         | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)   |

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

|                             |                      |                                                                                                                                               |
|-----------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| 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-2015) Total Dissolved Solids in aqueous matrices                                                                                   |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                               |
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                         |
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                    |
| 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: 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-2014) Nonpurgeable Organic Carbon in aqueous matrices                                                                              |

**Bottle Group D (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 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-2015) Total Dissolved Solids in aqueous matrices                                                                                   |
| W-TSS                         | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                               |
| Bottle Type: BP-1L            | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| CHLSUITE-W                    | Template: DEFAULT    | (SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                         |
| Bottle Type: P-250ML-WO-THI   | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| ENT-24-QT                     | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems                                                  |
| Bottle Type: 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: BG-500ML FILL TO | Number of Bottles: 4 | Preserved With: ICE                                                                                                                           |
| W-CT-CI-R                     | Template: DEFAULT    | (EPA 8276) Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization                                               |
| 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 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 Group D (Water) With 1 Samples:**

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

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                       |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L          |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices    |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-2014) Nonpurgeable Organic Carbon in aqueous matrices    |

**Bottle Group E (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 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-2015) Total Dissolved Solids in aqueous matrices                                             |
| W-TSS             | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample         |

|                    |                      |                                                                                                       |
|--------------------|----------------------|-------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 1 | Preserved With: ICE                                                                                   |
| CHLSUITE-W         | Template: DEFAULT    | (SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

|                             |                      |                                                                                                            |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                        |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |

|                           |                      |                     |
|---------------------------|----------------------|---------------------|
| Bottle Type: QPCR-P-500ML | Number of Bottles: 1 | Preserved With: ICE |
|---------------------------|----------------------|---------------------|

**Bottle Group E (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: 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-2014) Nonpurgeable Organic Carbon in aqueous matrices                                                                              |                               |

**Bottle Group F (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 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-2015) Total Dissolved Solids in aqueous matrices                                                                                   |                               |
| W-TSS                       | Template: DEFAULT | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                               |                               |
| Bottle Type: BP-1L          |                   | Number of Bottles: 1                                                                                                                          | Preserved With: ICE           |
| CHLSUITE-W                  | Template: DEFAULT | (SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                         |                               |
| Bottle Type: P-250ML-WO-THI |                   | Number of Bottles: 1                                                                                                                          | Preserved With: ICE           |
| ECOLI-18QT                  | Template: DEFAULT | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                    |                               |
| 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: 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-2014) Nonpurgeable Organic Carbon in aqueous matrices                                                                              |                               |

**Bottle Group G (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 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                                                        |                     |

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

|                             |                      |                                                                                                                                               |
|-----------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| W-TDS                       | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                                                                   |
| W-TSS                       | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                               |
| Bottle Type: BP-1L          | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                         |
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 1 | Preserved With: ICE                                                                                                                           |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems                                    |
| 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: 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-2014) Nonpurgeable Organic Carbon in aqueous matrices                                                                              |

**Bottle Group H (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 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-2015) Total Dissolved Solids in aqueous matrices                                                                                    |
| W-TSS                 | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                |
| Bottle Type: 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-ICP                 | Template: SMP-FRESH  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium               |                      |                                                                                                                                                |
| Iron                  |                      |                                                                                                                                                |
| Magnesium             |                      |                                                                                                                                                |
| Potassium             |                      |                                                                                                                                                |
| Sodium                |                      |                                                                                                                                                |
| Strontium             |                      |                                                                                                                                                |
| Tin                   |                      |                                                                                                                                                |
| Titanium              |                      |                                                                                                                                                |
| Vanadium              |                      |                                                                                                                                                |
| Zinc                  |                      |                                                                                                                                                |
| W-ICPMS               | Template: DEFAULT    | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Aluminum              |                      |                                                                                                                                                |
| Antimony              |                      |                                                                                                                                                |
| Arsenic               |                      |                                                                                                                                                |
| Barium                |                      |                                                                                                                                                |

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

Bottle Type: P-500ML

Number of Bottles: 1

Preserved With: HNO3

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

Beryllium

Boron

Cadmium

Chromium

Cobalt

Copper

Lead

Manganese

Molybdenum

Nickel

Selenium

Silver

Thallium

Bottle Type: P-500ML

Number of Bottles: 1

Preserved With: ICE And H2SO4

W-NH3

Template: DEFAULT

(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L

W-NO2NO3

Template: DEFAULT

(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L

W-S-A-TP

Template: DEFAULT

(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L

W-TKN

Template: DEFAULT

(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices

W-TOC

Template: DEFAULT

(SM 5310 B-2014) Nonpurgeable Organic Carbon in aqueous matrices

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