

# Login Checklist

RQ- 2023-02-06-26

Login Station ID: #3

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 02/09/2023 @ 0935

| *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 |                               |
| 1.1<br>1.5          |                 |                                        |          | 16                                    |               | X  |          |    | 585947325020<br>58594732 5810 |
|                     |                 |                                        |          |                                       |               |    |          |    |                               |
|                     |                 |                                        |          |                                       |               |    |          |    |                               |
|                     |                 |                                        |          |                                       |               |    |          |    |                               |
|                     |                 |                                        |          |                                       |               |    |          |    |                               |

## COOLER CHECK

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

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

Chain of Custody/ Field Sheet(s) Included?

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

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

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

## CONTAINER CHECK

Evidence Tape on Bottles?

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

If Criminal, photographs taken?

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

Caps on tight?

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

Sufficient Sample Volume:

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

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

**CHLORINE CHECK REQUIRED?** (Blue dot on container)

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

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 X No \_\_\_\_\_ NA \_\_\_\_\_ Init: RAK

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

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

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

Coolers Unpacked/Checked by: BKK

Date: 02/09/2023

Event contains NCRs(Y/N)? N

Run 12  
EventID: CEN-DIST-2023-02-09-02 (SMP)

—Date Received: 09-FEB-2023 09:35

## Login Checklist

### Login Preservation Equipment

### Lot # & Exp: Date

|                          |                               |
|--------------------------|-------------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #3 Exp:10/17/2023 |
| pH Test Strips 0 – 6     | Lot#223819AV   Exp:8/30/23    |
| pH Paper 0 – 3           |                               |
| pH Paper 0 – 13          | Lot#207621   Exp:3/15/24      |
| Chlorine Test Strips     | Lot#0070   Exp:2/23           |

### Additional Comments:

### ENCORE SAMPLES

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

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

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

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

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

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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 2/8/2023 **Collected By:** Katie March, Jessie Atchison  
**Customer:** CEN-DIST **Sampling Agency:** FDEP  
**RQ:** RQ-2023-02-06-26 **Project ID:** SMP

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

**Number of Coolers Shipped:** 2

**Delivery Method:** FedEx

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

| Site Location                     | Field ID/WIN ID                                                                                  |
|-----------------------------------|--------------------------------------------------------------------------------------------------|
| Lake Warren @ Center              | <br>G4CE0236   |
| Lake Michelle (East) NW of Center | <br>G4CE0235   |
| Lake Giles @ Center               | <br>G4CE0193 |
| Hourglass Lake @ Center           | <br>G4CE0178 |
| Lake Terrace SW of Center         | <br>G4CE0153 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 2/8/2023 1600  
EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By:



Rec'd/Inspected

Date: 2/9/23 0935



|                  |                                                        |
|------------------|--------------------------------------------------------|
| RQ-2023-02-06-26 | Collected By: Katie March, Jessie Atchison             |
| Customer: FDEP   | Field Report Prepared by: Katie March, Jessie Atchison |
| Project ID: SMP  | Sampling Agency: FDEP                                  |

|                                                                                                                                 |           |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|
| WIN ID/Field ID: <br>WIN ID/Field ID: G4CE0236 | Comments: |
|---------------------------------------------------------------------------------------------------------------------------------|-----------|

|                                |
|--------------------------------|
| Location: Lake Warren @ Center |
|--------------------------------|

|               |                                                                                         |
|---------------|-----------------------------------------------------------------------------------------|
| Matrix: Fresh | (Check One) <input checked="" type="checkbox"/> Grab <input type="checkbox"/> 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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|-----------------|
| 2/8/2023<br>1326    | 8.55      | 95.5      | 20.7     | 7.33 | 0.3              | 1.1          | 2.7             | 196.5               | 0.09            |

| Parameter Suite                    | Parameter Methods                 |                                                                              |                                          |                               |           |             | Preservation |           |           | pH Check |   | # Bottles sent to Lab | Bottle Group |   |
|------------------------------------|-----------------------------------|------------------------------------------------------------------------------|------------------------------------------|-------------------------------|-----------|-------------|--------------|-----------|-----------|----------|---|-----------------------|--------------|---|
| Preserved Nutrients (P-500ML)      | X                                 | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |                                          |                               |           |             | X            | Ice       | X         | H2SO4*   | X | <2                    | 1            | D |
|                                    | Lot #                             |                                                                              | 2229040                                  |                               | Exp:      | 11/4/23     |              |           |           |          |   |                       |              |   |
| 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-80DUNIN                                                                   |                                          |                               |           |             |              | 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                        |           | Enterococci |              | Ice       |           |          |   |                       |              |   |
|                                    | Contract Lab                      |                                                                              |                                          |                               |           |             |              |           |           |          |   |                       |              |   |
| Molecular (QPCR-P-500ML)           |                                   | PCR-HF183                                                                    |                                          | PCR-BacR                      |           | PCR-DG3     |              | Ice       |           |          |   |                       |              |   |
|                                    |                                   | PCR-GULL2                                                                    |                                          | PCR-GFD                       |           |             |              |           |           |          |   |                       |              |   |
| Tracers (BG-500ML)                 |                                   | W-E8321-DI                                                                   |                                          | W-E8321-MS                    |           |             |              | Ice       |           |          |   |                       |              |   |
| Pesticides (BG-500ML) (BG-1L)      |                                   | W-E8321-DI                                                                   | W-E8321-MS                               |                               | W-PSNP-TQ |             | Ice          | MCAA Exp. | MCAA Lot# |          |   |                       |              |   |
|                                    |                                   | W-PCL-TQ-R                                                                   | W-CARB-AA (5 ml of MCAA Buffer Solution) |                               | W-CT-CL-R |             |              |           |           |          |   |                       |              |   |
|                                    |                                   | W-TR-SQ-R                                                                    |                                          | W-PCB-TQ-R                    |           |             |              |           |           |          |   |                       |              |   |
| Phytoplankton                      |                                   | DTY-QN-C                                                                     |                                          | PKD-QN-BV                     |           |             |              | Ice       |           |          |   |                       |              |   |
| DOC                                |                                   | W-DOC                                                                        | Field Filtered 0.45 um Filter            |                               |           |             | Ice          |           | H2SO4*    | <2       |   |                       |              |   |
|                                    | Acid Preservative Expiration Date |                                                                              |                                          |                               |           |             |              |           |           |          |   |                       |              |   |
|                                    | Acid Preservative Lot Number      |                                                                              |                                          |                               |           |             |              |           |           |          |   |                       |              |   |



|                  |                                                        |
|------------------|--------------------------------------------------------|
| RQ-2023-02-06-26 | Collected By: Katie March, Jessie Atchison             |
| Customer: FDEP   | Field Report Prepared by: Katie March, Jessie Atchison |
| Project ID: SMP  | Sampling Agency: FDEP                                  |

WIN ID/Field ID:   
WIN ID/Field ID: G4CE0235

Comments:

Location: Lake Michelle (East) NW of Center

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) |
|------------------------------------|------------------------------------------------------------------------------|------------------------------------------|-------------------------------|----------|------------------|--------------|-----------------|-----------------------|----------------|
| 2/8/2023<br>1147                   | 8.27                                                                         | 92.2                                     | 20.7                          | 7.33     | 0.3              | 0.7          | 3.5             | 180.8                 | 0.09           |
| Parameter Suite                    | Parameter Methods                                                            |                                          |                               |          | Preservation     |              | pH Check        | # Bottles sent to Lab | Bottle Group   |
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                  |                                          |                               |          | Ice H2SO4*       |              |                 | <2                    |                |
|                                    | Lot #                                                                        |                                          | Exp:                          |          |                  |              |                 |                       |                |
| Metals (P-500ML)                   | x W-ICPMS                                                                    | x W-ICP                                  | x W-HARD                      | x Ice    | x HNO3*          |              | X               | <2                    | 1 E            |
|                                    | Lot #                                                                        |                                          | NA1105100                     |          | Exp: 06/07/2023  |              |                 |                       |                |
| 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)                | CHLSUITE-W                                                                   |                                          |                               |          | Ice              |              |                 |                       |                |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS |                                          |                               |          | Ice              |              |                 |                       |                |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                         |                                          |                               |          | Ice              |              |                 |                       |                |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC                                                                   | Formalin Lot #                           |                               | Formalin |                  |              |                 |                       |                |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                     |                                          |                               |          | Ice              |              |                 |                       |                |
| Microbiology (Contract Lab Bottle) | E Coli                                                                       | F Coli                                   | Enterococci                   | Ice      |                  |              |                 |                       |                |
|                                    | Contract Lab                                                                 |                                          |                               |          |                  |              |                 |                       |                |
| Molecular (QPCR-P-500ML)           | PCR-HF183                                                                    | PCR-BacR                                 | PCR-DG3                       | Ice      |                  |              |                 |                       |                |
|                                    | PCR-GULL2                                                                    | PCR-GFD                                  |                               |          |                  |              |                 |                       |                |
| Tracers (BG-500ML)                 | W-E8321-DI                                                                   |                                          | W-E8321-MS                    |          | Ice              |              |                 |                       |                |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI                                                                   | W-E8321-MS                               | W-PSNP-TQ                     | Ice      | MCAA Exp.        | MCAA Lot#    |                 |                       |                |
|                                    | W-PCL-TQ-R                                                                   | W-CARB-AA (5 ml of MCAA Buffer Solution) | W-CT-CL-R                     |          |                  |              |                 |                       |                |
|                                    | W-TR-SQ-R                                                                    | W-PCB-TQ-R                               |                               |          |                  |              |                 |                       |                |
| Phytoplankton                      | DTY-QN-C                                                                     |                                          | PKD-QN-BV                     |          | Ice              |              |                 |                       |                |
| DOC                                | W-DOC                                                                        | Field Filtered 0.45 um Filter            |                               | Ice      | H2SO4*           |              | <2              |                       |                |
|                                    |                                                                              | Add Preservative Expiration Date         |                               |          |                  |              |                 |                       |                |
|                                    |                                                                              | Add Preservative Lot Number              |                               |          |                  |              |                 |                       |                |



RQ-2023-02-06-26

Collected By: Katie March, Jessie Atchison

Customer: FDEP

Field Report Prepared by: Katie March, Jessie Atchison

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G4CE0193

Comments: Please log in PKD-QN-BV &amp; DTY-QN-C under a separate event with priority 12, Bottle Group - B. |

Location: Lake Giles @ Center

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 <sub>h</sub> ) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|------------------------------|
| 2/8/2023<br>915     | 9.69      | 105.7     | 19.6     | 7.69 | 0.3              | 3.9          | 8.5             | 164.8               | 0.08                         |

| 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 #                                                                       | 2229040                           |                                          | Exp:   | 11/4/23   |             |                       |              |    |    |   |  |
| Metals (P-500ML)                   |                   | W-ICPMS                                                                     |                                   | W-ICP                                    | W-HARD |           | Ice         |                       | HNO3*        |    | <2 |   |  |
|                                    |                   | Lot #                                                                       |                                   |                                          | Exp:   |           |             |                       |              |    |    |   |  |
| Filtered Nutrients (P125ML)        | X                 | W-PO4-F                                                                     | X                                 | Field Filtered 0.45 µm Filter            |        | X         | Ice         |                       |              |    | 1  | A |  |
|                                    |                   | 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-CH-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) |                   | E Coli                                                                      |                                   | F Coli                                   |        |           | Enterococci |                       |              |    |    |   |  |
|                                    |                   | Contract Lab                                                                |                                   |                                          |        |           | Ice         |                       |              |    |    |   |  |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                   |                                   | PCR-BacR                                 |        | PCR-DG3   |             | Ice                   |              |    |    |   |  |
|                                    |                   | PCR-GULL2                                                                   |                                   | PCR-GFD                                  |        |           |             |                       |              |    |    |   |  |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                  |                                   | W-E8321-MS                               |        |           | Ice         |                       |              |    |    |   |  |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-E8321-DI                                                                  |                                   | W-E8321-MS                               |        | W-PSNP-TQ |             | 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                      | X                 | DTY-QN-C                                                                    | X                                 | PKD-QN-BV                                |        | X         | Ice         |                       |              |    | 1  | B |  |
| DOC                                |                   | W-DOC                                                                       |                                   | Field Filtered 0.45 µm Filter            |        |           | Ice         |                       | H2SO4*       |    | <2 |   |  |
|                                    |                   |                                                                             | Acid Preservative Expiration Date |                                          |        |           |             |                       |              |    |    |   |  |
|                                    |                   |                                                                             | Acid Preservative Lot Number      |                                          |        |           |             |                       |              |    |    |   |  |



|                  |                                                        |
|------------------|--------------------------------------------------------|
| RQ-2023-02-06-26 | Collected By: Katie March, Jessie Atchison             |
| Customer: FDEP   | Field Report Prepared by: Katie March, Jessie Atchison |
| Project ID: SMP  | Sampling Agency: FDEP                                  |

WIN ID/Field ID:   
WIN ID/Field ID: G4CE0178

Comments:

Location: Hourglass Lake @ Center

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 <sub>h</sub> ) |                       |              |    |   |   |   |
|------------------------------------|-----------|-------------------|------------------------------------------------------------------------------|------------------------------------------|-------------------------------|--------------|-----------------|--------------------|------------------------------|-----------------------|--------------|----|---|---|---|
| 2/8/2023 954                       | 10.43     | 115               | 20.1                                                                         | 7.43                                     | 0.3                           | 1.1          | 3.3             | 233.7              | 0.11                         |                       |              |    |   |   |   |
| 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 #             |                                                                              | 2229040                                  |                               | Exp:         |                 | 11/4/23            |                              |                       |              |    |   |   |   |
| 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                     |              |    |   |   | 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                        |              | Enterococci     |                    | Ice                          |                       |              |    |   |   |   |
|                                    |           | Contract Lab      |                                                                              |                                          |                               |              |                 |                    |                              |                       |              |    |   |   |   |
| Molecular (QPCR-P-500ML)           |           |                   | PCR-HF183                                                                    |                                          | PCR-BacR                      | PCR-DG3      |                 | Ice                |                              |                       |              |    |   |   |   |
|                                    |           |                   | PCR-GULL2                                                                    |                                          | PCR-GFD                       |              |                 |                    |                              |                       |              |    |   |   |   |
| Tracers (BG-500ML)                 |           |                   | W-E8321-DI                                                                   |                                          | W-E8321-MS                    |              |                 |                    | Ice                          |                       |              |    |   |   |   |
| Pesticides (BG-500ML) (BG-1L)      |           |                   | W-E8321-DI                                                                   | W-E8321-MS                               |                               |              | W-PSNP-TQ       | Ice                | MCAA Exp.                    | MCAA Lot#             |              |    |   |   |   |
|                                    |           |                   | W-PCL-TQ-R                                                                   | W-CARB-AA (5 ml of MCAA Buffer Solution) |                               |              | W-CT-CL-R       |                    |                              |                       |              |    |   |   |   |
|                                    |           | W-TR-SQ-R         |                                                                              | W-PCB-TQ-R                               |                               |              |                 |                    |                              |                       |              |    |   |   |   |
| Phytoplankton                      |           |                   | DTY-QN-C                                                                     |                                          | PKD-QN-BV                     |              |                 |                    | Ice                          |                       |              |    |   |   |   |
| DOC                                |           |                   | W-DOC                                                                        | Field Filtered 0.45 um Filter            |                               |              |                 | Ice                |                              | H2SO 4*               |              | <2 |   |   |   |
|                                    |           |                   |                                                                              | Acid Preservative Expiration Date        |                               |              |                 |                    |                              |                       |              |    |   |   |   |
|                                    |           |                   |                                                                              | Acid Preservative Lot Number             |                               |              |                 |                    |                              |                       |              |    |   |   |   |



RQ-2023-02-06-26

Collected By: Katie March, Jessie Atchison

Customer: FDEP

Field Report Prepared by: Katie March, Jessie Atchison

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID:   
 WIN ID/Field ID: G4CE0153

Comments: Please log in PKD-QN-BV &amp; DTY-QN-C under a separate event with priority 12, Bottle Group - B. |

Location: Lake Terrace SW of Center

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) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 2/8/2023<br>1027    | 8.42      | 92.3      | 19.8     | 7.31 | 0.3              | 1.4          | 7.5             | 167.4               | 0.08           |

| Parameter Suite                    | Parameter Methods |                                                                           |                                   |                                          | Preservation |             | pH Check |        | # Bottles sent to Lab | Bottle Group |    |    |   |   |
|------------------------------------|-------------------|---------------------------------------------------------------------------|-----------------------------------|------------------------------------------|--------------|-------------|----------|--------|-----------------------|--------------|----|----|---|---|
| Preserved Nutrients (P-500ML)      | X                 | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                               |                                   |                                          | X            | Ice         | X        | H2SO4* | X                     | <2           | 1  | C  |   |   |
|                                    |                   | Lot #                                                                     | 2229040                           |                                          | Exp:         | 11/4/23     |          |        |                       |              |    |    |   |   |
| Metals (P-500ML)                   | X                 | W-ICPMS                                                                   | X                                 | W-ICP                                    | X            | W-HARD      | X        | Ice    |                       | HNO3*        |    | <2 | 1 | C |
|                                    |                   | Lot #                                                                     | NA1105100                         |                                          | Exp:         | 06/07/2023  |          |        |                       |              |    |    |   |   |
| Filtered Nutrients (P125ML)        | X                 | W-PO4-F                                                                   | X                                 | Field Filtered 0.45 µm Filter            |              | X           | Ice      |        |                       |              | 1  | C  |   |   |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                |                                   |                                          |              |             | Ice      |        |                       |              |    |    |   |   |
| Chlorophyll (BP-1L)                | X                 | CHL SUITE-W                                                               |                                   |                                          |              | X           | Ice      |        |                       |              | 1  | C  |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / 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) |                   | E Coli                                                                    |                                   | F Coli                                   |              | Enterococci |          | Ice    |                       |              |    |    |   |   |
|                                    |                   | Contract Lab                                                              |                                   |                                          |              |             |          |        |                       |              |    |    |   |   |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                 |                                   | PCR-BacR                                 |              | PCR-DG3     |          | Ice    |                       |              |    |    |   |   |
|                                    |                   | PCR-GULL2                                                                 |                                   | PCR-GFD                                  |              |             |          |        |                       |              |    |    |   |   |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                |                                   | W-E8321-MS                               |              |             | Ice      |        |                       |              |    |    |   |   |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-E8321-DI                                                                |                                   | W-E8321-MS                               |              | 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                      | X                 | DTY-QN-C                                                                  | X                                 | PKD-QN-BV                                |              | X           | Ice      |        |                       |              | 1  | B  |   |   |
| DOC                                |                   | W-DOC                                                                     |                                   | Field Filtered 0.45 µm Filter            |              |             | Ice      |        | H2SO4*                |              | <2 |    |   |   |
|                                    |                   |                                                                           | Acid Preservative Expiration Date |                                          |              |             |          |        |                       |              |    |    |   |   |
|                                    |                   |                                                                           | Acid Preservative Lot Number      |                                          |              |             |          |        |                       |              |    |    |   |   |

Date of Request: 10-JAN-2023  
 Created By: BEARDEN\_M On: 10-JAN-2023  
 Modified By: JASROTIA\_P On: 19-JAN-2023  
 Customer: CEN-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central District  
 Event Description: Run 12

**Send Coolers To:**

Phone: 407-897-4123  
 FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Matthew Bearden  
 Cooler Ship EMail: matthew.bearden@floridadep.gov

Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 18-JAN-2023  
 Biology Request Reviewed By: JASROTIA\_P On: 19-JAN-2023  
 Sampling Kit Required: YES Ship on: 30-JAN-2023  
 Sampling Kit Shipped: YES On: 30-JAN-2023  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 09-FEB-2023  
 Logged In By:

**Send Final Report To:**

FL Dept. of Environmental Protection  
 3319 Maguire Blvd., Suite 232  
 Orlando, FL 32803-3767  
 Attn: Matthew Bearden  
 Report Notification EMail:  
 matthew.bearden@floridadep.gov;jessie.atchison@floridadep.gov  
 v

Comments: Please log in PKD-QN-BV & DTY-QN-C under a separate event with priority 12, Bottle Group - B

Giles: A and B  
 Terrace: B and C  
 MP and HG: D  
 Michelle: E

**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 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

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

| Bottle Type: P-125ML | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                               |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

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

| Bottle Type: BP-1L | Number of Bottles: 2 | Preserved With: Lugols |
|--------------------|----------------------|------------------------|
|--------------------|----------------------|------------------------|

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

|                    |                      |                                                                                               |
|--------------------|----------------------|-----------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 2 | Preserved With: Lugols                                                                        |
| DTY-QN-C           | Template: DEFAULT    | (SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample.                         |
| PKD-QN-BV          | Template: DEFAULT    | (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample w/speciation and cell counts. |

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-125ML | Number of Bottles: 1 | Preserved With: FILTER-ICE                                                                                                                     |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                       |
| Bottle Type: 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 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| 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-2011) Nonpurgeable Organic Carbon in aqueous matrices                                                                               |

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

|                       |                      |                                                                                                         |
|-----------------------|----------------------|---------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L     | Number of Bottles: 2 | Preserved With: ICE                                                                                     |
| ALKALINITY            | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                              |
| TURBIDITY             | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                      |
| W-CL-IC               | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                       |
| W-COLOR               | Template: DEFAULT    | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                      |
| Color (true)          |                      |                                                                                                         |
| W-F                   | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO <sub>4</sub> -IC | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                        |
| W-TDS                 | Template: DEFAULT    | (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices                                             |
| W-TSS                 | Template: DEFAULT    | (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample         |

|                    |                      |                                                                                                              |
|--------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 2 | Preserved With: ICE                                                                                          |
| CHLSUITE-W         | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

|                                   |                      |                                                                     |
|-----------------------------------|----------------------|---------------------------------------------------------------------|
| Bottle Type: P-500ML              | Number of Bottles: 2 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>              |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L          |
| W-NO <sub>2</sub> NO <sub>3</sub> | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  |
| W-S-A-TP                          | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN                             | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices    |
| W-TOC                             | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices    |

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| W-HARD               | Template: DEFAULT    | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO <sub>3</sub>                                              |
| Hardness             |                      |                                                                                                                                                |
| W-ICP                | Template: SMP-FRESH  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium              |                      |                                                                                                                                                |
| Iron                 |                      |                                                                                                                                                |
| Magnesium            |                      |                                                                                                                                                |
| Potassium            |                      |                                                                                                                                                |
| Sodium               |                      |                                                                                                                                                |
| Strontium            |                      |                                                                                                                                                |
| Tin                  |                      |                                                                                                                                                |
| 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             |                      |                                                                                                                                                |

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

