

## McCoy, Ian

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**From:** O'Neal, Ashley  
**Sent:** Friday, July 1, 2022 12:21 PM  
**To:** McCoy, Ian; Wellendorf, Nijole "Nia"  
**Cc:** Klug, Kyle  
**Subject:** RE: Plants Found in Cooler

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

I can stop by receiving and pick them up.

**From:** McCoy, Ian <Ian.McCoy@FloridaDEP.gov>  
**Sent:** Friday, July 01, 2022 12:11 PM  
**To:** O'Neal, Ashley <Ashley.ONeal@FloridaDEP.gov>; Wellendorf, Nijole "Nia" <Nijole.Wellendorf@FloridaDEP.gov>  
**Cc:** Klug, Kyle <Kyle.Klug@FloridaDEP.gov>  
**Subject:** FW: Plants Found in Cooler

Good afternoon, we have a bundle of plants that were sent in today (unbagged in a cooler of ice water) and we bagged them up and put it back on ice. What would you like to do with them?

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

**From:** March, Kathryn W <Kathryn.W.March@FloridaDEP.gov>  
**Sent:** Friday, July 1, 2022 12:04 PM  
**To:** Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>; McCoy, Ian <Ian.McCoy@FloridaDEP.gov>  
**Cc:** Klug, Kyle <Kyle.Klug@FloridaDEP.gov>  
**Subject:** RE: Plants Found in Cooler

Hi! We didn't mean to send that plant, but it was one we collected to ID. If it isn't a pain to get it to Ashley O'Neal or Nia Wellendorf, that would be great!

**From:** Bearden, Matthew <Matthew.Bearden@dep.state.fl.us>  
**Sent:** Friday, July 1, 2022 10:17 AM  
**To:** McCoy, Ian <Ian.McCoy@FloridaDEP.gov>  
**Cc:** Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; March, Kathryn W <Kathryn.W.March@FloridaDEP.gov>  
**Subject:** RE: Plants Found in Cooler

We try to send you presents every so often.

Let me bump this to Katie, since she conducted this sampling. Katie – Did you mean to send anything to Tally for ID?

Matthew Bearden  
Cen ROC

**From:** McCoy, Ian <[Ian.McCoy@FloridaDEP.gov](mailto:Ian.McCoy@FloridaDEP.gov)>  
**Sent:** Friday, July 1, 2022 10:06 AM  
**To:** Bearden, Matthew <[Matthew.Bearden@dep.state.fl.us](mailto:Matthew.Bearden@dep.state.fl.us)>  
**Cc:** Klug, Kyle <[Kyle.Klug@FloridaDEP.gov](mailto:Kyle.Klug@FloridaDEP.gov)>  
**Subject:** Plants Found in Cooler

Good morning, I received RQ-2022-05-02-30 and noticed a bundle of plants at the bottom. I know we sometimes get plant identification samples in and wanted to check whether this was one of those?

Either way, thanks for the cooler garnish!

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

RQ-2022-05-02-30

## Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 7/1/2022 9:29

| *Cooler Temperature | Samples Frozen?<br>YES | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|------------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                        | HNO <sub>3</sub>                       | Formalin |                                       | Present?      |    | *Intact? |    |                    |
|                     |                        |                                        |          |                                       | Yes           | No | Yes      | No |                    |
| 1.7                 |                        |                                        |          | 14                                    |               | ✓  |          |    | 5225 55470988      |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |
|                     |                        |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

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

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

Chain of Custody/ Field Sheet(s) Included?

Yes ✓ No \_\_\_\_\_

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

Yes \_\_\_\_\_ No ✓

## CONTAINER CHECK

Evidence Tape on Bottles?

Yes \_\_\_\_\_ No \_\_\_\_\_ NA ✓

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

If Criminal, photographs taken?

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

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

Caps on tight?

Yes ✓ No \_\_\_\_\_

Sufficient Sample Volume:

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

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes ✓ No \_\_\_\_\_ Init: IM

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No ✓ Init: IM

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

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

\*\*Acid Preserved Samples: pH &lt; 2.0?

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

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

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

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

Coolers Unpacked/Checked by: IM

Date: 7/1/2022

Event contains NCRs (Y/N)? ✓

Event ID:

Lakes Alma and Ellen + Blank  
CEN-DIST-2022-07-01-01 (SMP)

Date Received: 01-JUL-2022 09:29

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                             |
|--------------------------|-----------------------------|
| Infrared Thermometer ID: | IR TEMP GUN #2 exp:10/19/22 |
| pH Test Strips 0 – 6     |                             |
| pH Paper 0 – 3           |                             |
| pH Paper 0 – 13          | 210620 exp: 4/15/23         |
| Chlorine Test Strips     | 0070 exp: 02/2023           |

### ENCORE SAMPLES

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

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

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

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

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

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

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

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

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

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 6/30/2022  
**Customer:** CEN-DIST  
**RQ:** RQ-2022-05-02-30

**Collected By:** Katie March, Victoria Schwartz  
**Sampling Agency:** FDEP  
**Project ID:** SMP

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

**Number of Coolers Shipped:** 1

**Delivery Method:** FedEx

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

| Site Location          | Field ID/WIN ID                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------|
| Lake Alma NW of Center | <br>G2CE0237  |
| Lake Ellen @ Center    | <br>G2CE0060 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 6/30/2022  
1600 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

Rec'd/Inspected By:



Rec'd/Inspected  
Date:

7/1/22



RQ-2022-05-02-30

Customer: FDEP

Project ID: SMP

Collected By: Katie March, Victoria Schwartz

Field Report Prepared by: Katie March, Victoria Schwartz

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G2CE0237

Comments:

Location:

Location: Lake Alma 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 (PPTH) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|-----------------|
| 6/30/2022 1215      | 4.08      | 54.5      | 30.6     | 6.28 | 0.3              | 1.1          | 2.1             | 108.5               | 0.05            |

  

| 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 # SA130873                                                             |                | Exp:                                     | 11/22                         |             |          |        |                       |              |           |   |    |   |   |
| Metals (P-500ML)                   | X                 | W-ICPMS                                                                    |                | X                                        | W-ICP                         | X           | W-HARD   | X      | Ice                   | X            | HNO3*     | X | <2 | 1 | A |
|                                    |                   | Lot # NA1286110                                                            |                | Exp:                                     | 11/16/22                      |             |          |        |                       |              |           |   |    |   |   |
| Filtered Nutrients (P125ML)        | X                 | W-PO4-F                                                                    |                | X                                        | Field Filtered 0.45 µm Filter |             |          | X      | Ice                   |              | 1         | A |    |   |   |
|                                    |                   | Filter Lot #                                                               | 17413308       | Syringe Lot #                            | 1335260                       |             |          |        |                       |              |           |   |    |   |   |
| 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-SO44C / 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 |          | Ice    |                       |              |           |   |    |   |   |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                  |                |                                          | PCR-BacR                      |             | PCR-DG3  |        | Ice                   |              |           |   |    |   |   |
|                                    |                   | PCR-GULL2                                                                  |                |                                          | PCR-GFD                       |             |          |        | Ice                   |              |           |   |    |   |   |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                 |                |                                          | W-E8321-MS                    |             |          | Ice    |                       |              |           |   |    |   |   |
| Pesticides (BG-500ML) (BG-1L)      | X                 | W-E8321-DI                                                                 | X              | W-E8321-MS                               | X                             | W-PSNP-TQ   |          | X      | Ice                   | MCAA Exp.    | MCAA Lot# | 5 | A  |   |   |
|                                    |                   | W-PCL-TQ-R                                                                 |                | W-CARB-AA (5 ml of MCAA Buffer Solution) |                               | W-CT-CL-R   |          |        |                       |              |           |   |    |   |   |
|                                    | X                 | W-TR-SQ-R                                                                  |                | W-PCB-TQ-R                               |                               |             |          |        |                       |              |           |   |    |   |   |
| Phytoplankton                      |                   | DTY-QN-C                                                                   |                |                                          | PKD-QN-BV                     |             |          | Ice    |                       |              |           |   |    |   |   |



|                                                                                                                                 |                                                          |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| RQ-2022-05-02-30                                                                                                                | Collected By: Katie March, Victoria Schwartz             |
| Customer: FDEP                                                                                                                  | Field Report Prepared by: Katie March, Victoria Schwartz |
| Project ID: SMP                                                                                                                 | Sampling Agency: FDEP                                    |
| WIN ID/Field ID: <br>WIN ID/Field ID: G2CE0060 | Comments:                                                |

Location:

Location: Lake Ellen @ Center

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. © | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |
|---------------------|-----------|-----------|---------|------|------------------|--------------|-----------------|---------------------|----------------|
| 6/30/2022<br>1346   | 7.54      | 104.9     | 33      | 6.91 | 0.3              | 1.6          | 8.4             | 92.8                | 0.04           |

| 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 #             |                                                                             | SA130873                                 |   | Exp:         |     | 11/22    |           |           |    |                       |              |    |   |   |
| Metals (P-500ML)                   | X                 | W-ICPMS                                                                     |                                          | X | W-ICP        | X   | W-HARD   | X         | Ice       | X  | HNO3*                 | X            | <2 | 1 | B |
|                                    | Lot #             |                                                                             | NA1286110                                |   | Exp:         |     | 11/16/22 |           |           |    |                       |              |    |   |   |
| Filtered Nutrients (P125ML)        | W-PO4-F           |                                                                             | Field Filtered 0.45 µm Filter            |   |              | Ice |          |           |           |    |                       |              |    |   |   |
| BOD (BP-1L)                        | Filter Lot #      |                                                                             | Syringe Lot #                            |   |              |     |          |           |           |    |                       |              |    |   |   |
| Chlorophyll (BP-1L)                | OV-BODUNIN        |                                                                             |                                          |   |              | Ice |          |           |           |    |                       |              |    |   |   |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | CHLUSITE-W                                                                  |                                          |   |              | X   | Ice      |           |           |    |                       |              |    |   |   |
| Physical/Aggregate (Marine) (P-1L) | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS |                                          |   |              | X   | Ice      |           |           |    |                       |              |    |   |   |
| Macrolnvertebrates (PJ-2L)         | MI-FW-QLDC        |                                                                             | Formalin Lot #                           |   |              |     | Formalin |           |           |    |                       |              |    |   |   |
| Periphyton (PT-50ML)               | ALGAE-ID          |                                                                             |                                          |   |              |     | Ice      |           |           |    |                       |              |    |   |   |
| Microbiology (Contract Lab Bottle) | E Coli            |                                                                             | F Coli                                   |   | Enterococci  |     | 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                               |   | W-PSNP-TQ    |     | 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      |           |           |    |                       |              |    |   |   |



Cooler Packing Worksheet for Request: RQ-2022-05-02-30

Lakes Alma and Ellen + Blank

Ship Cooler On: 4/22/2022

Customer/Project: CEN-DIST/SMP

Assigned To: SHAIK\_A

Requester: Matthew Bearden

Priority: 3

407-897-4123  
FL Dept. of Environmental Protection  
3319 Maguire Blvd., Suite 232  
Orlando, FL 32803-3767  
Attn: Matthew Bearden

Comments:

No preservatives needed.

Requested Analyses:

**Bottle Group: A**

**# of Sites: 1**

Container ID: P-1L

Qty: 1

Preservation: ICE

Lot #

8082641

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm (not valid for NPDES monitoring)

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 1

Preservation: ICE

Lot #

8326680

Description: Brown Plastic Bottle 1L

**Analysis**

CHLSUITE-W

**Description**

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: BG-500ML

Qty: 1

Preservation: ICE

Lot #

8081538

Description: Brown Glass Bottle 500ML \*FILL Completely\*

Affix BLUE dot to container.

**Analysis**

W-E8321-DI

W-E8321-MS

**Description**

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS



Container ID: P-500ML

Qty: 1

Preservation: HNO3

Lot #

82446

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

**Analysis**

W-HARD

W-ICP

W-ICPMS

**Description**

Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1

Preservation: ICE And H2SO4

Lot #

82446

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

**Description**

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1

Preservation: FILTER-ICE

Lot #

82446

Description: Plastic Bottle 125 mL

**Analysis**

W-PO4-F

**Description**

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Container ID: BG-1L

Qty: 4

Preservation: ICE

Lot #

81538

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

**Analysis**

W-PSNP-TQ

W-TR-SQ-R

**Description**

Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Analysis of Sunscreen Compounds in Water by GC/MS-SIM

**Bottle Group: B**

**# of Sites: 1**

Container ID: P-1L

Qty: 1

Preservation: ICE

Lot #

81644

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

**Description**

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm (not valid for NPDES monitoring)



|          |                                                                                     |
|----------|-------------------------------------------------------------------------------------|
| W-F      | Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO4-IC | Sulfate in aqueous matrices                                                         |
| W-TDS    | Total Dissolved Solids in aqueous matrices                                          |
| W-TSS    | Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample      |

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1326688

Description: Brown Plastic Bottle 1L

**Analysis**

CHLSUITE-W

**Description**

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00082446

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

**Analysis**

W-HARD

W-ICP

W-ICPMS

**Description**

Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00082446

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

**Description**

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

**Bottle Group: C**

**# of Sites: 1**

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00082441

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm (not valid for NPDES monitoring)

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample



Container ID: BG-500ML

Qty: 1

Preservation: ICE

Lot # 800 81530

Description: Brown Glass Bottle 500ML \*FILL Completely\*

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 1

Preservation: HNO3

Lot # 800 82446

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-HARD

W-ICP

W-ICPMS

Description

Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1

Preservation: ICE And H2SO4

Lot # 800 82446

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: BG-1L

Qty: 2

Preservation: ICE

Lot # 800 81530

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

W-TR-SQ-R

Description

Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Analysis of Sunscreen Compounds in Water by GC/MS-SIM



Cooler Packed By: ABD Number of Coolers: 2 Date: 4-19-22

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

|          |           |             |
|----------|-----------|-------------|
| ID _____ | Exp _____ | Lot # _____ |
| ID _____ | Exp _____ | Lot # _____ |
| ID _____ | Exp _____ | Lot # _____ |
| ID _____ | Exp _____ | Lot # _____ |
| ID _____ | Exp _____ | Lot # _____ |

**PLEASE RETURN ALL COOLERS FOR RQ-2022-05-02-30**



Date of Request: 22-MAR-2022  
 Created By: BEARDEN\_M On: 22-MAR-2022  
 Modified By: KLUG\_K On: 22-JUN-2022  
 Customer: CEN-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Central District  
 Event Description: Lakes Alma and Ellen + Blank

**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: A  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: KLUG\_K On: 22-JUN-2022  
 Biology Request Reviewed By: KLUG\_K On: 22-JUN-2022  
 Sampling Kit Required: NO Ship on:  
 Sampling Kit Shipped: YES On: 20-APR-2022  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 05-MAY-2022  
 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; victoria.schwartz@floridadep.gov

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

|                       |                      |                                                                                                                                                |
|-----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L     | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ALKALINITY            | Template: DEFAULT    | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                                                                     |
| TURBIDITY             | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-CL-IC               | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                                              |
| W-COLOR               | Template: DEFAULT    | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                                                             |
| *Color (true)         |                      |                                                                                                                                                |
| W-F                   | Template: DEFAULT    | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                                        |
| W-SO <sub>4</sub> -IC | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                                               |
| W-TDS                 | Template: DEFAULT    | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                                                                    |
| W-TSS                 | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                                                |
| Bottle Type: BP-1L    | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W            | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                                   |
| Bottle Type: 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: 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                   |                      |                                                                                                                                                |

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

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template: SMP-FRESH  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |

Titanium  
Vanadium  
Zinc

|         |                   |                                                                                                                             |
|---------|-------------------|-----------------------------------------------------------------------------------------------------------------------------|
| W-ICPMS | Template: DEFAULT | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
|---------|-------------------|-----------------------------------------------------------------------------------------------------------------------------|

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

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| Bottle 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 Type: BG-1L | Number of Bottles: 4 | Preserved With: ICE                                                                |
| W-PSNP-TQ          | Template: DEFAULT    | (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS |
| W-TR-SQ-R          | Template:            | (EPA 8270E) Analysis of Sunscreen Compounds in Water by GC/MS-SIM                  |

**Bottle Group B (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 |
|---------|-------------------|-----------------------------------------------------------------------------------------------------------------------------|

\*Boron  
Aluminum  
Antimony  
Arsenic  
Barium  
Beryllium  
Cadmium

**Bottle Group B (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 |                               |
| 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 Type: P-1L    |                   | Number of Bottles: 1                                                                                                        | Preserved With: ICE           |
| ALKALINITY           | Template: DEFAULT | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L                                                               |                               |
| TURBIDITY            | Template: DEFAULT | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                          |                               |
| W-CL-IC              | Template: DEFAULT | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                           |                               |
| W-COLOR              | Template: DEFAULT | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                                          |                               |
| *Color (true)        |                   |                                                                                                                             |                               |
| W-F                  | Template: DEFAULT | (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)                     |                               |
| W-SO4-IC             | Template: DEFAULT | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices                                                                            |                               |
| W-TDS                | Template: DEFAULT | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices                                                                 |                               |
| W-TSS                | Template: DEFAULT | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample                             |                               |
| Bottle Type: BP-1L   |                   | Number of Bottles: 1                                                                                                        | Preserved With: ICE           |
| CHLSUITE-W           | Template: DEFAULT | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry                |                               |

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

