



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
Yes / No

**WIN Station Name:** Pine Barn Creek at Woodrest Rd **Date:** 5/10/2021  
**WIN/Field ID:** G3WA0011 **WBID:** 235 **ENR:** - **Latitude:** 30.8357  
**County:** JACKSON **Org ID:** 21FLWQA **Longitude:** -85.45  
**Receiving Body of Water:** Choctawhatchee - St. Andrew **RQ:** 2021-05-10-04

| Sampling Team Members               |                   | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-------------------------------------|-------------------|-----------------|-------------------|---------------|--------------|--------------------|
| <input checked="" type="checkbox"/> | Blake Spencer     |                 |                   | x             | x            | x                  |
| <input checked="" type="checkbox"/> | Jesse Pfadenhauer | x               | x                 |               |              |                    |
| <input type="checkbox"/>            |                   |                 |                   |               |              |                    |
| <input type="checkbox"/>            |                   |                 |                   |               |              |                    |

| Sampling Equipment                                   |                                            |
|------------------------------------------------------|--------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input checked="" type="checkbox"/> Carboy |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Van Dorn          |
| <input type="checkbox"/> Syringe                     | <input checked="" type="checkbox"/> Pole   |
| Depth measured with: Meter                           |                                            |
| Secchi Equipment ID:                                 |                                            |
| Collection Method                                    |                                            |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak       |
| <input checked="" type="checkbox"/> From Shore       | <input type="checkbox"/> Electric Motor    |
| <input type="checkbox"/> Other _____                 | <input type="checkbox"/> Gasoline Motor    |

|                                                                                                                                                                                                                                                                        |  |                   |  |              |  |                                  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|--|--------------|--|----------------------------------|--|--|--|--|--|
| <b>Water Level:</b> <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Dry <input type="checkbox"/> Pooled <input type="checkbox"/> Flooded                                                |  |                   |  |              |  | <b>Meter ID#</b> EXO #1          |  |  |  |  |  |
| <b>Photos:</b> YES                                                                                                                                                                                                                                                     |  | <b>Flow:</b> FLOW |  | <b>Tide:</b> |  | <b>Tide Times:</b><br>High: Low: |  |  |  |  |  |
| <b>Biological Samples Collected:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> HA <input type="checkbox"/> SCI <input type="checkbox"/> RPS <input type="checkbox"/> Algae ID <input type="checkbox"/> LVS <input type="checkbox"/> LVI Other: |  |                   |  |              |  |                                  |  |  |  |  |  |
| <b>S BIO ID Numbers:</b>                                                                                                                                                                                                                                               |  |                   |  |              |  |                                  |  |  |  |  |  |
| <b>Notes:</b>                                                                                                                                                                                                                                                          |  |                   |  |              |  |                                  |  |  |  |  |  |

## Duplicate Sample

|                             |              |                                   |
|-----------------------------|--------------|-----------------------------------|
| <b>Time Zone:</b> EST       | <b>Time:</b> | <b>Field ID:</b> N/A (WIN ID_DUP) |
| <b>WIN DMT Activity ID:</b> |              |                                   |

## Blank

|                                          |                                  |                                                    |
|------------------------------------------|----------------------------------|----------------------------------------------------|
| <b>Time Zone:</b> EST                    | <b>Time:</b> 1152                | <b>Field ID:</b> FB_05102021 (Blank Type_DDMYYYYY) |
| <b>DI Source:</b> Lab C-Building Tap     |                                  | <b>Location:</b> Alligator Creek Upstream SR 273   |
| <b>DI Type:</b> Filed Blank              |                                  | <b>Equipment ID:</b>                               |
| <b>DI Container (Name/ID):</b> Carboy #2 | <b>DI Container Type:</b> Carboy |                                                    |

**LIMS EVENT ID:** WAS-SECT-2021-05-10-01 **WIN Import ID:** 21FLWQA\_WAS-SECT-2021-05-10-01\_06-11-2021.TXT  
**Enter Field Parameters, Verify Station ID In LIMS DMT:** SBS 6/3/21 **QC Station ID, Field Parameters In LIMS DMT:** ESB 6/3/21  
(Initials/Date) (Initials/Date)  
**Scan/Save Field Sheets** SBS 6/3/21 **Migrate Data to WIN:** DFT 6/11/2021 **Verify Data In WIN:**  
(Initials/Date) (Initials/Date) (Initials/Date)



RQ-2021-05-10-04

Customer: WQAP

Project ID: SMP

Collected By: Blake Spencer, Jesse Pfadenhauer

Field Report Prepared By: Blake Spencer

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G3WA0011

Location: Pine Barn Creek at Woodrest Rd

Comments:

Matrix: Fresh

(Check one)

☒ GRAB☐ COMPOSITE

| Date      | Time        | DO (mg/L) | DO (%SAT) | Temp. (C°) | pH   | Sample Depth (m) | Secchi Disk (m)                                    | Total Depth (m) | Sp COND (µmhos/cm) | Salinity (PPT <sub>h</sub> ) |
|-----------|-------------|-----------|-----------|------------|------|------------------|----------------------------------------------------|-----------------|--------------------|------------------------------|
| 5/10/2021 | 1321<br>EST | 2.36      | 25.9      | 20.04      | 5.79 | 0.15             | 0.3<br><input checked="" type="checkbox"/> VOB (S) | 0.3             | 49                 | 0.02                         |
|           | EST         |           |           |            |      |                  | Central Lab please use top row for login purposes  |                 |                    |                              |

| Parameter Suite                    | Parameter Methods                                                                                                                                                                                                                                                                           | Preservation                                                                       | pH Check                               | # Bottles sent to Lab | Bottle Group |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------|-----------------------|--------------|
| Preserved Nutrients (P-500ML)      | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP<br>Lot # Sa0353110 Exp: 1-11-22                                                                                                                                                                             | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4* | <input checked="" type="checkbox"/> <2 | 1                     | A            |
| Metals (P-500ML)                   | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP <input checked="" type="checkbox"/> W-HARD<br>Lot # Na0344060 Exp: 1-4-22                                                                                                                             | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3*  | <input checked="" type="checkbox"/> <2 | 1                     | A            |
| Filtered Nutrients (P125ML)        | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter<br>Filter Lot # 16968882<br>Syringe Lot # 0079900                                                                                                                             | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | A            |
| Chlorophyll (BP-1L)                | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                              | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | A            |
| Physical/Aggregate (Fresh) (P-1L)  | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                                             | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | A            |
| Physical/Aggregate (Marine) (P-1L) | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                                                                                                                                                                     | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Macroinvertebrates (PJ-2L)         | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                         | <input type="checkbox"/> Formalin                                                  |                                        |                       |              |
| Periphyton (PT-50ML)               | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                           | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Microbiology (Contract Lab Bottle) | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab                                                                                                                                    | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | A            |
| Molecular (QPCR-P-500ML)           | <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-DG3<br><input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                                                                | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Tracers (BG-500ML)                 | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                                                                                                                     | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution) <input type="checkbox"/> W-DIELDRIN | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Phytoplankton/Periphyton           | DTM-QL-C <input type="checkbox"/> PEN-QL-C <input type="checkbox"/> DTY-QN-C <input type="checkbox"/> PKD-QN-C<br>DTM-QN-C <input type="checkbox"/> PRN-QN-C <input type="checkbox"/> PKD-QN-BV                                                                                             | <input type="checkbox"/> Ice                                                       |                                        |                       |              |

Name:  
Blake Spencer  
Jesse Pfadenhauer

Signature:

Blake Spencer

Date:

5/10/21

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



RQ- 2021-05-10-04

Customer: WQAP

Project ID: SMP

Collected By: Blake Spencer, Jesse Pfadenhauer

Field Report Prepared By: Blake Spencer, Jesse Pfadenhauer

Sampling Agency: FDEP

## BLANK



Field ID: FB\_05102021

Comments:

Matrix: Field Blank

(Check one) ☐ COMPOSITE ☒ GRAB

Date

Time

DI Source: Lab C-Building Tap

5/10/2021

1152

EST

| Parameter Suite                           | Parameter Methods                                                                                                                            | Preservation                                                                      | pH Check                               | # Bottles sent to Lab | Bottle Group |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------|-----------------------|--------------|
| <b>Preserved Nutrients (P-500ML)</b>      | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                              | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | <input checked="" type="checkbox"/> <2 | 1                     | B            |
|                                           | Lot # Sa0353110 Exp: 1-11-22                                                                                                                 |                                                                                   |                                        |                       |              |
| <b>Metals (P-500ML)</b>                   | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP                                                        | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | <input checked="" type="checkbox"/> <2 | 1                     | B            |
|                                           | Lot # Na0344060 Exp: 1-4-22                                                                                                                  |                                                                                   |                                        |                       |              |
| <b>Filtered Nutrients (P125ML)</b>        | <input checked="" type="checkbox"/> W-PO4-F Filter <input checked="" type="checkbox"/> Field Filtered 0.45 µm                                | <input checked="" type="checkbox"/> Ice                                           |                                        | 1                     | B            |
|                                           | Filter Lot # 16968882                                                                                                                        |                                                                                   |                                        |                       |              |
|                                           | Syringe Lot # 0079900                                                                                                                        |                                                                                   |                                        |                       |              |
| <b>Physical/Aggregate (Fresh) (P-1L)</b>  | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-IC / TDS                         | <input checked="" type="checkbox"/> Ice                                           |                                        | 1                     | B            |
| <b>Physical/Aggregate (Marine) (P-1L)</b> | <input type="checkbox"/> Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY                                                                      | <input type="checkbox"/> Ice                                                      |                                        |                       |              |
| <b>Tracers (BG-500ML)</b>                 | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                      | <input type="checkbox"/> Ice                                                      |                                        |                       |              |
| <b>Pesticides (BG-500ML) (BG-1L)</b>      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-CT-CL-R | <input type="checkbox"/> Ice                                                      |                                        |                       |              |
|                                           | <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-CARB-AA (5 ml of MCAA** Buffer Solution) <input type="checkbox"/> W-DIELDIN   |                                                                                   |                                        |                       |              |
|                                           |                                                                                                                                              |                                                                                   |                                        |                       |              |
| Name: Blake Spencer<br>Jesse Pfadenhauer  |                                                                                                                                              | Signature: <i>Blake Spencer</i>                                                   |                                        | Date: 5/10/21         |              |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

|                                                                                                    |                                                                                                                                      |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Date:</b> <u>5/10/2021</u><br><b>Customer:</b> <u>WAS</u><br><b>RQ:</b> <u>RQ-2021-05-10-04</u> | <b>Collected By:</b> <u>Blake Spencer, Jesse Pfadenhauer</u><br><b>Sampling Agency:</b> <u>FDEP</u><br><b>Project ID:</b> <u>SMP</u> |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|

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:** HandDelivered

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

| Site Location                      | Field ID/WIN ID                                                                                     |
|------------------------------------|-----------------------------------------------------------------------------------------------------|
| Minnow Creek At Lovewood Rd        | <br>G3WA0008      |
| Alligator Creek Upstream of SR 273 | <br>G3WA0005      |
| Scurlock Creek at Pilgrim Rd       | <br>G3WA0009    |
| FB                                 | <br>FB_05102021 |
| Pine Barn Creek at Woodrest Rd     | <br>G3WA0011    |
| Unnamed Creek at Woodrest Rd       | <br>G3WA0010    |
| Unnamed Creek at Palmview Rd       | <br>G3WA0013    |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 5/10/2021 EST  
16:15

**THIS SECTION TO BE COMPLETED BY LABORATORY**

# CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: L1071

RQ: 2021-05-10-04

Project: Alligator Creek

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

## Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

| DO<br>DEP SOP<br>FT 1500 | Name          | Date    | Time<br>CT-ET | Temp<br>°C | Baro-<br>meter<br>mmHg | D.O.<br>Chart<br>mg/L | Meter<br>D.O.<br>mg/L | % DO  | Probe<br>Charge | Probe<br>Gain | Pass<br>/ Fail | Lab<br>/ Field |
|--------------------------|---------------|---------|---------------|------------|------------------------|-----------------------|-----------------------|-------|-----------------|---------------|----------------|----------------|
| Calibr.                  | Blake Spencer | 5/10/21 | 0709          | 21.30      | 757.4                  | 8.80                  | 8.84                  | 99.9  | ✓               | 1.122         | P/F            | L/F            |
| ICV                      | Blake Spencer | 5/10/21 | 0713          | 21.43      | 757.4                  | 8.80                  | 8.87                  | 100.4 | ✓               | —             | P/F            | L/F            |
| CCV                      | Blake Spencer | 5/10/21 | 1723          | 20.83      | 757.6                  | 8.90                  | 9.18                  | 102.8 | ✓               | —             | P/F            | L/F            |
| CCV                      |               |         |               |            |                        |                       |                       |       |                 |               | P/F            | L/F            |

DO Acceptance criteria from Table  $\pm 0.3$  mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

| Spec.<br>Cond.<br>FT 1200 | Name          | Date    | Time<br>CT-ET | Lot #   | Expir.<br>Date | Standard<br>$\mu$ hos/cm | Meter<br>Reading<br>$\mu$ hos/cm | Pass<br>/ Fail | Lab<br>/ Field |
|---------------------------|---------------|---------|---------------|---------|----------------|--------------------------|----------------------------------|----------------|----------------|
| Calibr.                   | Blake Spencer | 5/10/21 | 0716          | 201209H | 12/2021        | 1000                     | 1000                             | P/F            | L/F            |
| ICV                       | Blake Spencer | 5/10/21 | 0719          | 2911C93 | 11/2021        | 100                      | 102.0                            | P/F            | L/F            |
| CCV                       | Blake Spencer | 5/10/21 | 1729          | 201209H | 12/21          | 1000                     | 1003                             | P/F            | L/F            |
| CCV                       |               |         |               |         |                |                          |                                  | P/F            | L/F            |

Conductivity Acceptance criteria  $\pm 5\%$

| pH<br>DEP SOP<br>FT 1100 | Name          | Date    | Time<br>CT-ET | Lot #   | Expir.<br>Date | pH<br>Buffer<br>SU | Temp<br>°C | Meter<br>reading<br>SU | mV     | Pass<br>/ Fail | Lab<br>/ Field |
|--------------------------|---------------|---------|---------------|---------|----------------|--------------------|------------|------------------------|--------|----------------|----------------|
| Calibr.                  | Blake Spencer | 5/10/21 | 0722          | 200407B | 10/2021        | 7.02               | 21.5       | 7.02                   | -16.1  | P/F            | L/F            |
| Calibr.                  | Blake Spencer | 5/10/21 | 0725          | 201112A | 05/2022        | 4.00               | 21.1       | 4.00                   | 153.6  | P/F            | L/F            |
| Calibr.                  | Blake Spencer | 5/10/21 | 0729          | 200407A | 10/2021        | 10.04              | 21.3       | 10.04                  | -146.5 | P/F            | L/F            |
| ICV                      | Blake Spencer | 5/10/21 | 0729          | 200407A | 10/2021        | 10.04              | 21.3       | 12.05                  | -141.5 | P/F            | L/F            |
| CCV                      | Blake Spencer | 5/10/21 | 1733          | 201112A | 05/22          | 4.00               | 22.27      | 4.18                   | 143.2  | P/F            | L/F            |
| CCV                      |               |         |               |         |                |                    |            |                        |        | P/F            | L/F            |

pH Acceptance criteria  $\pm 0.2$  SU; mV pH 7 Range  $0 \pm 50$ ; mV pH 4 Range  $+180 \pm 50$ ; mV pH 10 Range  $-180 \pm 50$

If mV are recorded: slope from 7 to 10 \_\_\_\_\_, slope from 4 to 7 \_\_\_\_\_ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: \_\_\_\_\_

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: \_\_\_\_\_; Date of last verification: \_\_\_\_\_

| Depth Sensor<br>(Daily Calibration &<br>ICV) | Name          | Date    | Time<br>CT-ET | Calibrated<br>Value (0.00 or<br>Offset), meters | ICV Value,<br>meters | Pass /<br>Fail | Lab /<br>Field |
|----------------------------------------------|---------------|---------|---------------|-------------------------------------------------|----------------------|----------------|----------------|
| Pressure mode in air                         | Blake Spencer | 5/10/21 | 0731          | 0.00                                            | 0.00                 | P/F            | L/F            |

Report two decimal places. Round numbers  $\leq 4$  down,  $\geq 5$  up. ICV acceptance criteria  $\pm 5\%$  or  $\pm 0.05$ m, whichever is greater.

COMMENTS:

**Cooler Packing Worksheet for Request: RQ-2021-05-10-04****Alligator Creek****Ship Cooler On: 5/6/2021****Customer/Project: WAS-SECT/SMP**

Assigned To: REYNOLDS\_T

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

**Comments:**

Group A: Nutrients, CHLA, Metals, E. coli X 6

Group B: Nutrients, Metals x1 (QC Blank)

**Packing Notes:**

No FedEx labels

No Trash Bags

No Bubblewrap

1 - Case H2SO4

1 - Case HNO3

**Requested Analyses:****Bottle Group: A****# of Sites: 6****Container ID: P-1L****Qty: 6    Preservation: ICE****Lot #**1W80207**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: 6    Preservation: ICE****Lot #**1306968**Description: Brown Plastic Bottle 1L****Analysis**

CHLSUITE-W

**Description**

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

Container ID: P-250ML-WO-THI Qty: 6 Preservation: ICE

Lot # 120275

Description: 250 ml Sterilized no tablet

Analysis  
ECOLI-18QT

Description  
Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: P-500ML

Qty: 6 Preservation: HNO3

Lot # 62078204

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: 6 Preservation: ICE And H2SO4

Lot # 6208204

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: 6 Preservation: FILTER-ICE

Lot # 02078205

Description: Plastic Bottle 125 mL

Analysis  
W-PO4-F

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

Bottle Group: B

# of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 0208207

Description: Plastic Bottle 1L

Analysis  
ALKALINITY

Description  
Alkalinity in aqueous matrices as mg CaCO3/L

|           |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|
| TURBIDITY | Turbidity in aqueous matrices                                                       |
| W-CL-IC   | Chloride in aqueous matrices                                                        |
| W-COLOR   | 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: P-500ML

Qty: 1 Preservation: HNO3

Lot # 02W8204

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

**Analysis**

W-ICP

W-ICPMS

**Description**

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 # 02W8204

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 # 02W78545

Description: Plastic Bottle 125 mL

**Analysis**

W-PO4-F

**Description**

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

Cooler Packed By: TR Number of Coolers: 2 Date: 05/06/2021

H2S04  
SER: # 120529  
EXP: 10/20/2021

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 <u>SA</u> | Exp <u>01/04/22</u> | Lot # <u>03440602</u> |
| ID <u>NA</u> | Exp _____           | Lot # _____           |
| ID _____     | Exp _____           | Lot # _____           |
| ID _____     | Exp _____           | Lot # _____           |
| ID _____     | Exp _____           | Lot # _____           |

**PLEASE RETURN ALL COOLERS FOR RQ-2021-05-10-04**