



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End  
of Day CCV  
Yes / No

**WIN Station Name:** SHANGRI LA SPRING Vent **Date:** 3/8/2021  
**WIN/Field ID:** G2WA0022 **WBID:** 180A **ENR:** **Latitude:** 30.7902  
**County:** JACKSON **Org ID:** 21FLWQA **Longitude:** -85.1429  
**Receiving Body of Water:** Apalachicola - Chipola **RQ:** 2021-03-08-05

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

| Sampling Equipment                                   |                                                    |
|------------------------------------------------------|----------------------------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Carboy                    |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Van Dorn                  |
| <input checked="" type="checkbox"/> Syringe          | <input type="checkbox"/> Pole                      |
| Depth measured with: Meter                           |                                                    |
| Secchi Equipment ID:                                 |                                                    |
| Collection Method                                    |                                                    |
| <input type="checkbox"/> Wading                      | <input type="checkbox"/> Canoe/Kayak               |
| <input type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor            |
| <input type="checkbox"/> Other                       | <input checked="" 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> NA                                                                                                                                                                                                                                                      |  | <b>Flow:</b> NA |  | <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>SBIO 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> 1132 | <b>Field ID:</b> FB_03082021     | (Blank Type_DDDMMYYY) |
| <b>DI Source:</b> C-Building Tap   |                   | <b>Location:</b> G2WA0022        |                       |
| <b>DI Type:</b> FB                 |                   | <b>Equipment ID:</b>             |                       |
| <b>DI Container (Name/ID):</b> DI3 |                   | <b>DI Container Type:</b> Carboy |                       |

**LIMS EVENT ID:** WAS-SECT-2021-03-09-01 **WIN Import ID:** 21FLWQA\_WAS-SECT-2021-03-09-01\_06-04-2021\_V2.TXT  
**Enter Field Parameters, Verify Station ID In LIMS DMT:** SBS 4/16/21 **QC Station ID, Field Parameters In LIMS DMT:** ESB 6/3/23  
(Initials/Date) (Initials/Date)  
**Scan/Save Field Sheets** SBS 4/16/21 **Migrate Data to WIN:** DFT 6/4/21 **Verify Data In WIN:**  
(Initials/Date) (Initials/Date) (Initials/Date)



RQ-2021-03-08-05

Customer: WQAP

Project ID: SMP

Collected By: Curtis Musson, Blake Spencer

Field Report Prepared By: Curtis Musson

Sampling Agency: FDEP

Place Label Here

WIN ID/Field ID:



G2WA0022

Location: SHANGRI LA SPRING Vent

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) |
|----------|-------------|-----------|-----------|------------|------|------------------|----------------------------------------------------|-----------------|--------------------|----------------|
| 3/8/2021 | 1142<br>EST | 7.6       | 84.9      | 20.76      | 7.47 | 0.3              | 2.3<br><input checked="" type="checkbox"/> VOB (S) | 2.3             | 315.3              | 0.15           |
|          | 1147<br>EST | 7.61      | 85.1      | 20.75      | 7.47 | 1.8              | Central Lab please use top row for login purposes  |                 | 315.1              | 0.15           |

| 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                                                                                                                       | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4* | <input checked="" type="checkbox"/> <2 | 1                     | C            |
|                                    | Lot # Sa353110 Exp: 1-11-22                                                                                                                                                                           |                                                                                    |                                        |                       |              |
| Metals (P-500ML)                   | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP <input checked="" type="checkbox"/> W-HARD                                                                      | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> HNO3*  | <input checked="" type="checkbox"/> <2 | 1                     | C            |
|                                    | Lot # Na0344060 Exp: 1-4-22                                                                                                                                                                           |                                                                                    |                                        |                       |              |
| Filtered Nutrients (P125ML)        | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                         | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | C            |
|                                    | Filter Lot # 16968882                                                                                                                                                                                 |                                                                                    |                                        |                       |              |
|                                    | Syringe Lot # 0079900                                                                                                                                                                                 |                                                                                    |                                        |                       |              |
| Chlorophyll (BP-1L)                | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                        | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | C            |
| 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                     | C            |
| 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 type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci<br><input type="checkbox"/> Contract Lab                                                         | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| 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"/> | <input type="checkbox"/> Ice                                                       |                                        |                       |              |
| Tracers (BG-500ML)                 | <input checked="" type="checkbox"/> W-E8321-DI <input checked="" type="checkbox"/> W-E8321-MS                                                                                                         | <input checked="" type="checkbox"/> Ice                                            |                                        | 1                     | C            |
| Pesticides (BG-500ML) (BG-1L)      | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> WE8321-MS <input checked="" type="checkbox"/> W-PSNP-TQ <input checked="" type="checkbox"/> W-CT-CL-R                                    | <input checked="" type="checkbox"/> Ice                                            |                                        | 9                     | C            |
|                                    | <input checked="" type="checkbox"/> W-PCL-SQ-R <input checked="" type="checkbox"/> W-CARB-AA ( 5 ml of MCAA** Buffer Solution) <input checked="" type="checkbox"/> W-DIELDRIN                         |                                                                                    |                                        |                       |              |
| Phytoplankton/Periphyton           | DTM-QL-C PEN-QL-C DTY-QN-C PKD-QN-C                                                                                                                                                                   |                                                                                    |                                        |                       |              |
|                                    | DTM-QN-C PRN-QN-C PKD-QN-BV                                                                                                                                                                           | <input type="checkbox"/> Ice                                                       |                                        |                       |              |

Name:  
Curtis Musson  
Blake Spencer

Signature:

Blake Spencer

Date:

3/8/21

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



RQ- 2021-03-08-05

Customer: WQAP

Project ID: SMP

Collected By: Curtis Musson, Blake Spencer

Field Report Prepared By: Curtis Musson, Blake Spencer

Sampling Agency: FDEP

BLANK



Field ID: FB 03082021

Comments:

Matrix: FB

(Check one) ☐ COMPOSITE ☒ GRAB

Date

Time

DI Source: C-Building Tap

3/8/2021

1132

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                     | D            |
|                                           | Lot # Sa353110 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                     | D            |
|                                           | 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                     | D            |
|                                           | 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                     | D            |
| <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-DIELDRIN  |                                                                                   |                                        |                       |              |
| Name: Curtis Musson<br>Blake Spencer      |                                                                                                                                              | Signature: <i>Blake Spencer</i>                                                   |                                        | Date: 3/8/21          |              |

\*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>3/8/2021</u><br><b>Customer:</b> <u>WAS</u><br><b>RQ:</b> <u>RQ-2021-03-08-05</u> | <b>Collected By:</b> <u>Curtis Musson, Blake Spencer</u><br><b>Sampling Agency:</b> <u>FDEP</u><br><b>Project ID:</b> <u>BMAP</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**

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

| Site Location                                                | Field ID/WIN ID                                                                                     |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Merritt's Mill Pond 500 meters upstream of dam               | <br>G2WA0009      |
| Merritt's Mill Pond mid under powerlines                     | <br>G2WA0008      |
| Merritt's Mill Pond 600 meters downstream of Jackson Blue Sp | <br>G2WA0007    |
| SHANGRI LA SPRING Vent                                       | <br>G2WA0022    |
| FB                                                           | <br>FB_03082021 |

RELINQUISHED BY(SIGNATURE): *Blake Spencer*

DATE/TIME: 3/9/21  
0830

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:**

**Rec'd/Inspected Date:**

# 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: Exo #1

RQ- 2021-03-08-05

Project: BMAP + SMP

- 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>/<br>Fail | Lab<br>/<br>Field |
|--------------------------|---------------|--------|---------------|------------|------------------------|-----------------------|-----------------------|-------|-----------------|---------------|-------------------|-------------------|
| Calibr.                  | Blake Spencer | 3/8/21 | 0653          | 19.8       | 769.0                  | 9.20                  | 9.25                  | 101.7 | -               | 1.1713        | P / F             | L / F             |
| ICV                      | Blake Spencer | 3/4/21 | 0659          | 19.9       | 769                    | 9.20                  | 9.36                  | 102.9 | -               | -             | P / F             | L / F             |
| CCV                      | Blake Spencer | 3/4/21 | 1739          | 20.8       | 768.4                  | 9.20                  | 9.07                  | 101.5 | -               | -             | 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>/<br>Fail | Lab<br>/<br>Field |
|---------------------------|---------------|--------|---------------|---------|----------------|--------------------------|----------------------------------|-------------------|-------------------|
| Calibr.                   | Blake Spencer | 3/8/21 | 0701          | 201209H | 12/2021        | 1000                     | 1000                             | P / F             | L / F             |
| ICV                       | Blake Spencer | 3/8/21 | 0703          | 201209H | 12/2021        | 1000                     | 1000                             | P / F             | L / F             |
| CCV                       | Blake Spencer | 3/8/21 | 1743          | 2911C93 | 11/2021        | 1000                     | 102.1                            | 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>/<br>Fail | Lab<br>/<br>Field |
|--------------------------|---------------|--------|---------------|---------|----------------|--------------------|------------|------------------------|--------|-------------------|-------------------|
| Calibr.                  | Blake Spencer | 3/8/21 | 0706          | 200407R | 10/21          | 7.02               | 19.90      | 7.02                   | -13.9  | P / F             | L / F             |
| Calibr.                  | Blake Spencer | 3/8/21 | 0708          | 201209E | 6/22           | 4.00               | 19.90      | 4.00                   | 156.6  | P / F             | L / F             |
| Calibr.                  | Blake Spencer | 3/8/21 | 0713          | 200407A | 10/2021        | 10.06              | 20.1       | 10.06                  | -77.9  | P / F             | L / F             |
| ICV                      | Blake Spencer | 3/8/21 | 0715          | 200407A | 10/2021        | 10.06              | 20.1       | 10.06                  | -181.1 | P / F             | L / F             |
| CCV                      | Blake Spencer | 3/8/21 | 1744          | 201209E | 6/22           | 4.00               | 19.8       | 4.00                   | 154.7  | 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 & 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                      |      |      |               |                                                 |                      | 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-2021-03-08-05

Merritt's Mill Pond BMAP

Ship Cooler On: 3/4/2021

Customer/Project: WAS-SECT/BMAP

Assigned To: MCCOY\_I

Requester: Curtis Musson

Priority: 3



850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Please return  
packing list with  
sample submittal  
forms.

Comments:

No preservatives needed.

Group A: Nutrients, CHLA, Metals x3

Group B: Algal\_ID x1

Group C: Nutrients, CHLA, Metals, Pesticides x 1

Group D: Nutrients, Metals

Packing Notes:

No Fedex Labels

No Trash Bags

Sampling Note:

Group A: 3 sties

Group B: Algal ID

Group C: 1 site

Group D: Fiedl Blank

Requested Analyses:

**Bottle Group: A**

**# of Sites: 3**

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00078839

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 CaCO<sub>3</sub>/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: 3 Preservation: ICE

Lot # 1299839

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 3 Preservation: HNO3

Lot # 00079262

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: 3 Preservation: ICE And H2SO4

Lot # 00079262

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: 3 Preservation: FILTER-ICE

Lot # 00079474

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: PT-50ML

Qty: 1 Preservation: ICE

Lot # 430291

Description: Plastic Tube 50 mL

Analysis

ALGAL\_ID

Description

Qualitative assessment of algal taxa present without counts

**Bottle Group: C****# of Sites: 1****Container ID: P-1L****Qty: 1    Preservation: ICE****Lot #** 000 788839**Description: Plastic Bottle 1L**IM  
2/26/21**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 #** 1299839**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: CH2CICOOH Pre-Preserved****Lot #** 000 78941**Description: Brown Glass Bottle 500ML**

Affix BLUE dot to container.

**Analysis**

W-CARB-AA

**Description**

Carbamates in water matrices by HPLC/MS/MS

**Container ID: BG-500ML****Qty: 4    Preservation: ICE****Lot #** 000 78714**Description: Brown Glass Bottle 500ML**

Affix BLUE dot to container.

**Analysis**

W-CT-Cl-R

W-DIELDRIN

W-PCL-SQ-R

**Description**

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Dieldrin (ultra low level) in water matrices by GC/MS/MS

Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS-SIM



Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 00078714

Description: Brown Glass Bottle 500ML

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 # 00079262

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 # 00079262

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 # 00079474

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 # 00078933

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

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

**Bottle Group: D****# of Sites: 1****Container ID: P-1L****Qty: 1    Preservation: ICE****Lot #** 00078839**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 CaCO<sub>3</sub>/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: P-500ML****Qty: 1    Preservation: HNO<sub>3</sub>****Lot #** 00079262**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 CaCO<sub>3</sub>

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 H<sub>2</sub>SO<sub>4</sub>****Lot #** 00079262**Description: Plastic Bottle 500 mL**

Affix YELLOW sulfuric acid dot to container.

**Analysis**W-NH<sub>3</sub>W-NO<sub>2</sub>NO<sub>3</sub>

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 #** 00079474**Description: Plastic Bottle 125 mL****Analysis**W-PO<sub>4</sub>-F**Description**

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

Cooler Packed By: IM Number of Coolers: 3 Date: 2/26/21

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>MCAA Buffer</u> | Exp | _____ | Lot # | _____ |
| ID | _____              | Exp | _____ | Lot # | _____ |
| ID | _____              | Exp | _____ | Lot # | _____ |
| ID | _____              | Exp | _____ | Lot # | _____ |
| ID | _____              | Exp | _____ | Lot # | _____ |

**PLEASE RETURN ALL COOLERS FOR RQ-2021-03-08-05**