

RQ- <sup>04</sup>2022 - 06-25 - 14

# Login Checklist

Login Station ID: # 3

Shipping Method: <sup>ADK</sup>EedEx | UPS | HD | Greyhound

Date/Time of Receipt: 06/21/2022 / 09:04

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Waybill Tracking # |
|---------------------|-----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|--------------------|
|                     |                 |                                        |          |                                       | Present?      |    | *Intact? |    |                    |
|                     | YES             | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                    |
| 3.8C                |                 |                                        |          | 5                                     |               | X  |          |    | 5225 5545 0758     |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |
|                     |                 |                                        |          |                                       |               |    |          |    |                    |

## COOLER CHECK

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

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

Chain of Custody/ Field Sheet(s) Included?

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

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

Yes X No NA ABS

## CONTAINER CHECK

Evidence Tape on Bottles?

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

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

If Criminal, photographs taken?

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

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

Caps on tight?

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

Sufficient Sample Volume:

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

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

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

Yes \_\_\_\_\_ No X Init: ABS /

Chlorine detected? (One container checked per Field ID)

Yes \_\_\_\_\_ No \_\_\_\_\_ Init: ABS /

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

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

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

Yes X No \_\_\_\_\_ NA \_\_\_\_\_ Init: ABS /

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

Yes \_\_\_\_\_ No \_\_\_\_\_ NA X Init: ABS /

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

Coolers Unpacked/Checked by: ABS /

Date: 06/21/2022

Event contains NCRs (Y/N)? N

Event ID: NE - DIST - 2022 - 06 - 21 - 02

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                                          |
|--------------------------|------------------------------------------|
| Infrared Thermometer ID: | IRTG # 3 EXP:10/19/2022                  |
| pH Test Strips 0 – 6     | LOT#223819AV EXP:8/30/2023               |
| pH Paper 0 – 3           | N/A                                      |
| pH Paper 0 – 13          | LOT 207621 EXP:3/15/2024                 |
| Chlorine Test Strips     | 0064 / 2023 / 05 abs<br>0070 / 2023 / 02 |

### ENCORE SAMPLES

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

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

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:** 6/20/2022  
**Customer:** NE-DIST  
**RQ:** RQ-2022-04-25-14  
**Collected By:** Jeremy Parrish, Katrin Villinger  
**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                                                                                |
|-----------------------------------------|------------------------------------------------------------------------------------------------|
| ST MARYS R @ STOKES RD                  | <br>19010093 |
| Unnamed Drain to Brandy Branch at US301 | <br>G4NE0302 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 6/20/2022  
1630EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:** A.SHAIK

**Rec'd/Inspected Date:** 06/21/2022

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION****STRATEGIC MONITORING PLAN FIELD SHEET**

January 2022

Meter Passed End

of Day CCV

Yes / No

WIN Station Name: ST MARYS R @ STOKES RD

Date: 6/20/2022

WIN/Field ID: 19010093

WBID: 2097G

ENR: -

Latitude: 30.38496

County: NASSAU

Org ID: 21FLA

Longitude: -82.0354

Receiving Body of Water: Atlantic Ocean Nassau County

RQ- 2022-04-25-14

| Sampling Team Members               |                  | WQ Measurements                     | Sample Collection                   | Documentation                       | Preservation                        | Preservation Check                  |
|-------------------------------------|------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Jeremy Parrish   |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | Katrin Villinger | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |                                     |                                     |
| <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 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  |

|                                                                                                                                                                                                                                                                 |       |                 |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|------------------------|
| Water Level: <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                                                |       | Meter ID# BRUCE |                        |
| Photos: No                                                                                                                                                                                                                                                      | Flow: | Tide:           | Tide Times: High: Low: |
| Biological Samples Collected: <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: |       |                 |                        |
| SBIO ID Numbers:                                                                                                                                                                                                                                                |       |                 |                        |
| Notes:<br>PARTLY CLOUDY                                                                                                                                                                                                                                         |       |                 |                        |

**Duplicate Sample**

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

**Blank**

|                         |               |                    |                       |
|-------------------------|---------------|--------------------|-----------------------|
| Time Zone:              | Time:         | Field ID:          | (Blank Type_DDMMYYYY) |
| DI Source:              | Location:     |                    |                       |
| DI Type:                | Equipment ID: |                    |                       |
| DI Container (Name/ID): |               | DI Container Type: |                       |

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT:

(Initials/Date)

(Initials/Date)

Scan/Save Field Sheets KV 6/20/22

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/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: YSIBNCL

RQ: 2022-06-20-13

Project: Nassau River

2022-04-25-14

NA 554V WES

- 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 5/2/22

| 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.                  | J. Parnish   | 6/20/22 | 830           | 18.7       | 765                    | 765                   | 9.39                  | 100.6 | -               | 1.023         | (P) F          | (L) F          |
| ICV                      | J            | 6/20/22 | 831           | 18.7       | 765                    | 765                   | 9.39                  | 100.6 | -               | 1.023         | (P) F          | (L) F          |
| CCV                      | K. Villinger | L       | 1621          | 20.8       | 744.6                  | 90                    | 9.03                  | 101.0 | -               | 1.023         | (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.                   | J. Parnish   | 6/20/22 | 832           | 220205A | 3/23           | 1000                     | 1000                             | (P) F          | (L) F          |
| ICV                       | J            | L       | 835           | 210917A | 9/22           | 100                      | 97.8                             | (P) F          | (L) F          |
| CCV                       | K. Villinger |         | 1622          | 211122A | 12/22          | 15000                    | 15091                            | (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.                  | J. Parnish   | 6/20/22 | 836           | 4203B87 | 2/24           | 7.                 | 18.3       | 7.00                   | -77   | (P) F          | (L) F          |
| Calibr.                  | J            | L       | 839           | 2205F96 | 5/24           | 4.                 | 18.4       | 4.00                   | 162.6 | (P) F          | (L) F          |
| Calibr.                  | J            | L       | 840           | 2202A63 | 7/23           | 10.                | 18.4       | 10.02                  | -184  | (P) F          | (L) F          |
| ICV                      | J            | L       | 842           | 2205F96 | 5/24           | 4.                 | 18.4       | 4.03                   | 159.1 | (P) F          | (L) F          |
| CCV                      | K. Villinger |         | 1623          | 4203B87 | 2/24           | 7.02               | 19.2       | 7.06                   | -16.4 | (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 10 167.5 slope from 4 to 7 179.6 (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: 5/31/22

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                         | J. Parnish | 6/20/22 | 843           | 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:



**DIVERSIFIED**  
ENVIRONMENTAL LABORATORIES, INC.

# CHAIN OF CUSTODY RECORD

Project Number: \_\_\_\_\_

(Lab Use Only)

3653 Regent Boulevard, Suite # 509

Jacksonville, FL 32224

P (904) 807-9625 E info@delilab.com

F (904) 807-9627

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|                                                                    |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  |                                                                 |                            |              |  |             |  |               |  |
|--------------------------------------------------------------------|----------------------------|-----------------------|--------------|--------------|--------------------|------------------------|------|------|--|-------------------------------------------|--------------------------|----------------------------------|--|-------------------------------|--|-----------------------------------------------------------------|----------------------------|--------------|--|-------------|--|---------------|--|
| Company Name <u>Florida Department of Environmental Protection</u> |                            |                       |              |              |                    |                        |      |      |  | Container Information (Qty, Size, & Type) |                          |                                  |  | Sample Matrix Codes:          |  |                                                                 |                            |              |  |             |  |               |  |
| Address <u>8800 Baymeadows Way W Ste 100</u>                       |                            |                       |              |              |                    |                        |      |      |  | NPW                                       | NPW                      | NPW                              |  |                               |  |                                                                 | A Air P Petroleum          |              |  |             |  |               |  |
| City <u>Jacksonville</u> State <u>FL</u> Zip <u>32256</u>          |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  |                                                                 | B Bulk S Soil/Sludge       |              |  |             |  |               |  |
| Attn <u>Jeremy Parrish</u> <u>Jeremy M Parrish@floridadep.gov</u>  |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  |                                                                 | W Wipe O Other             |              |  |             |  |               |  |
| Tel _____ E-mail or Fax <u>DEP-Overflowmicro@dep.state.fl.us</u>   |                            |                       |              |              |                    |                        |      |      |  | Container Preservation Codes              |                          |                                  |  | Sample Kit or Container Lot # |  |                                                                 |                            |              |  |             |  |               |  |
| Project Name <u>Nassau North Boat SMP</u>                          |                            |                       |              |              |                    |                        |      |      |  | 6                                         | 6                        | 6                                |  |                               |  |                                                                 |                            |              |  |             |  |               |  |
| Project Number <u>RQ-2022-06-20-13</u>                             |                            |                       |              |              |                    |                        |      |      |  | Parameters                                |                          |                                  |  | Preservation Codes:           |  |                                                                 |                            |              |  |             |  |               |  |
| Project Location _____                                             |                            |                       |              |              |                    |                        |      |      |  | E Coli - Quantitray                       | Enterococci - Quantitray | Coliform, Fecal - MF 3 Dilutions |  |                               |  |                                                                 | 0 None 5 Na2S2O3           |              |  |             |  |               |  |
| Sampler Name/Signature <u>Katrin Villings</u>                      |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  |                                                                 | 1 H2SO4 6 Crushed Ice (4C) |              |  |             |  |               |  |
| Transfer #                                                         | Sample #<br>(Lab Use Only) | Sample Identification | Date Sampled | Time Sampled | Sample Matrix Code | Specific Cond. (Field) | Comp | Grab |  |                                           |                          |                                  |  |                               |  | 2 HNO3 7 C6H8O6                                                 |                            |              |  |             |  |               |  |
| 1                                                                  |                            | 19020064              | 6/20/22      | 1530         | NPW                | 1915                   |      |      |  |                                           |                          |                                  |  |                               |  | 3 HCl 8 NH4Cl                                                   |                            |              |  |             |  |               |  |
| 2                                                                  |                            | 64NE0301              | 6/20/22      | 1020         | NPW                | 12618                  |      |      |  |                                           |                          |                                  |  |                               |  | 4 NaOH 9 Other (List)                                           |                            |              |  |             |  |               |  |
| 3                                                                  |                            | 19010131              | 6/20/22      | 1200         | NPW                | 58                     |      |      |  |                                           |                          |                                  |  |                               |  | Thermal Preservation:                                           |                            |              |  |             |  |               |  |
| 4                                                                  |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | In Crushed Ice? <u>Yes</u> / No                                 |                            |              |  |             |  |               |  |
| 5                                                                  |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | Cooler Temp <u>1.1</u> °C                                       |                            |              |  |             |  |               |  |
| 6                                                                  |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | Sample Cont Temp <u>1.8</u> °C                                  |                            |              |  |             |  |               |  |
| 7                                                                  |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | Turnaround Requested:                                           |                            |              |  |             |  |               |  |
| 8                                                                  |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | <input checked="" type="checkbox"/> Standard (10 Business Days) |                            |              |  |             |  |               |  |
| 9                                                                  |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | <input type="checkbox"/> Semi-Rush (3-5 Business Days)          |                            |              |  |             |  |               |  |
| 0                                                                  |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | <input type="checkbox"/> Rush (1-2 Business Days)               |                            |              |  |             |  |               |  |
| Special Instructions                                               |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | Billing Information:                                            |                            |              |  |             |  |               |  |
|                                                                    |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | Invoice with Report                                             |                            |              |  |             |  |               |  |
|                                                                    |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | <input checked="" type="checkbox"/> Invoice to Accounting       |                            |              |  |             |  |               |  |
|                                                                    |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | Req # _____                                                     |                            |              |  |             |  |               |  |
|                                                                    |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | P O # _____                                                     |                            |              |  |             |  |               |  |
| Transfer Numbers                                                   |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | Relinquished By                                                 |                            | Date / Time  |  | Received By |  | Date / Time   |  |
| 1-3                                                                |                            |                       |              |              |                    |                        |      |      |  |                                           |                          |                                  |  |                               |  | Katrin Villings                                                 |                            | 6/20/22 1530 |  | [Signature] |  | 06/20/22-1533 |  |



Certification #E821059

Lab General Form 059 Rev. #1, Rev. Date 02/07/22 Effective Date 02/07/22

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RQ-2022-04-25-14

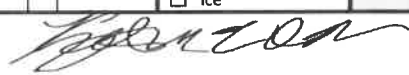
Customer: NE-DIST

Project ID: STRATEGIC MONITORING PLAN

Collected By: Jeremy Parrish, Katrin Villinger

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

| Place Label Here                                                                                               |             |                                                                                                                                                                                                       |           |            |      | Comments: Microbiology sample(s) submitted to contract laboratory.                              |                                                   |                             |                       |                 |
|----------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------|-------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------|-----------------------|-----------------|
| WIN ID/Field ID: <br>19010093 |             |                                                                                                                                                                                                       |           |            |      |                                                                                                 |                                                   |                             |                       |                 |
| Location: ST MARYS R @ STOKES RD                                                                               |             |                                                                                                                                                                                                       |           |            |      |                                                                                                 |                                                   |                             |                       |                 |
| Matrix: Fresh                                                                                                  |             |                                                                                                                                                                                                       |           |            |      | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> 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 (PPTH) |
| 6/20/2022                                                                                                      | 1345<br>EST | 6.26                                                                                                                                                                                                  | 81.8      | 29.3       | 6.03 | 0.25                                                                                            | 0.3<br><input type="checkbox"/> VOB (S)           | 0.52                        | 56                    | 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                                                                                                                       |           |            |      | <input checked="" type="checkbox"/> Ice <input type="checkbox"/> H2SO4*                         |                                                   | <input type="checkbox"/> <2 | 1                     | A               |
|                                                                                                                |             | Lot #                                                                                                                                                                                                 |           | Sa1308030  |      | Exp:                                                                                            |                                                   | 12/1/22                     |                       |                 |
| 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 type="checkbox"/> HNO3*                          |                                                   | <input type="checkbox"/> <2 | 1                     | A               |
|                                                                                                                |             | Lot #                                                                                                                                                                                                 |           | Na1286110  |      | Exp:                                                                                            |                                                   | 11/16/22                    |                       |                 |
| Filtered Nutrients (P125ML)                                                                                    |             | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                               |           |            |      | <input type="checkbox"/> Ice                                                                    |                                                   |                             |                       |                 |
|                                                                                                                |             | Filter Lot #                                                                                                                                                                                          |           |            |      | Syringe Lot #                                                                                   |                                                   |                             |                       |                 |
| BOD (BP-1L)                                                                                                    |             | <input type="checkbox"/> OV-BODUNIN                                                                                                                                                                   |           |            |      | <input type="checkbox"/> Ice                                                                    |                                                   |                             |                       |                 |
| 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-S04-IC / W-TDS                                                                                       |           |            |      | <input checked="" type="checkbox"/> Ice                                                         |                                                   |                             | 1                     | A               |
| Physical/Aggregate (Marine) (P-1L)                                                                             |             | <input type="checkbox"/> Alkalinity / 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"/> Coli <input type="checkbox"/> Coli <input type="checkbox"/> Enterococci                                                                                           |           |            |      | <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"/> |           |            |      | <input type="checkbox"/> Ice                                                                    |                                                   |                             |                       |                 |
| Tracers (BG-500ML)                                                                                             |             | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                               |           |            |      | <input type="checkbox"/> Ice                                                                    |                                                   | MCAA Exp.                   |                       |                 |
| Pesticides (BG-500ML) (BG-1L)                                                                                  |             | W-E8321-DI W-E8321-MS W-PSNP-TQ W-CT-Cl-R<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-TR-SQ-R<br>W-PCB-TQ-R                                                                            |           |            |      | <input type="checkbox"/> Ice                                                                    |                                                   | MCAA Lot#                   |                       |                 |
| Phytoplankton/Periphyton                                                                                       |             | DTY-QN-C PKD-QN-C                                                                                                                                                                                     |           |            |      | <input type="checkbox"/> Ice                                                                    |                                                   |                             |                       |                 |
| Name: Jeremy Parrish<br>Katrin Villinger                                                                       |             |                                                                                                                                                                                                       |           |            |      | Signature:  |                                                   |                             | Date: 06/20/2022      |                 |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STRATEGIC MONITORING PLAN FIELD SHEET

January 2022

Meter Passed End  
of Day CCV  
Yes / No

WIN Station Name: Unnamed Drain to Brandy Branch at US301

Date: 6/20/2022

WIN/Field ID: G4NE0302

WBID: 2225

ENR: -

Latitude: 30.37794

County: NASSAU

Org ID: 21FLA

Longitude: -81.94064

Receiving Body of Water: Middle St. Marys River

RQ: 2022-04-25-14

| Sampling Team Members               |                  | WQ Measurements                     | Sample Collection                   | Documentation                       | Preservation                        | Preservation Check                  |
|-------------------------------------|------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | Jeremy Parrish   |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | Katrin Villinger | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |                                     |                                     |
| <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 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 type="checkbox"/> From Shore                  | <input type="checkbox"/> Electric Motor  |
| <input checked="" type="checkbox"/> Other Bridge     | <input type="checkbox"/> Gasoline Motor  |

|                                                                                                                                                                                                                                                                 |       |                 |                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|-----------------------|
| Water Level: <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                                                |       | Meter ID# BRUCE |                       |
| Photos: No                                                                                                                                                                                                                                                      | Flow: | Tide:           | Tide Times: High: Low |
| Biological Samples Collected: <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: |       |                 |                       |
| SBIO ID Numbers:                                                                                                                                                                                                                                                |       |                 |                       |
| Notes:<br>PARTLY CLOUDY                                                                                                                                                                                                                                         |       |                 |                       |

Duplicate Sample

|                      |       |           |              |
|----------------------|-------|-----------|--------------|
| Time Zone: EST       | Time: | Field ID: | (WIN ID_DUP) |
| WIN DMT Activity ID: |       |           |              |

Blank

|                         |               |                    |                        |
|-------------------------|---------------|--------------------|------------------------|
| Time Zone:              | Time:         | Field ID:          | (Blank Type_DDDMMYYYY) |
| DI Source:              | Location:     |                    |                        |
| DI Type:                | Equipment ID: |                    |                        |
| DI Container (Name/ID): |               | DI Container Type: |                        |

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT:

(Initials/Date)

(Initials/Date)

Scan/Save Field Sheets KV 6/20/22

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)





RQ-2022-04-25-14

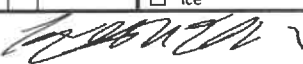
Customer: NE-DIST

Project ID: STRATEGIC MONITORING PLAN

Collected By: Jeremy Parrish, Katrin Villinger

Field Report Prepared By: Jeremy Parrish

Sampling Agency: FDEP

|                                                                                                                                                                                                              |             |                                                                                                                                                                                                       |                  |                   |                                                                                                           |                                                                                         |                                                   |                              |                           |                            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------|---------------------------|----------------------------|--|
| Place Label Here<br><b>WIN ID/Field ID:</b> <br><b>G4NE0302</b><br><b>Location:</b> Unnamed Drain to Brandy Branch at US301 |             |                                                                                                                                                                                                       |                  |                   |                                                                                                           | Comments: Microbiology sample(s) submitted to contract laboratory.                      |                                                   |                              |                           |                            |  |
| <b>Matrix:</b> Fresh                                                                                                                                                                                         |             |                                                                                                                                                                                                       |                  |                   |                                                                                                           | (Check one) <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> COMPOSITE |                                                   |                              |                           |                            |  |
| <b>Date</b>                                                                                                                                                                                                  | <b>Time</b> | <b>DO (mg/L)</b>                                                                                                                                                                                      | <b>DO (%SAT)</b> | <b>Temp. (C°)</b> | <b>pH</b>                                                                                                 | <b>Sample Depth (m)</b>                                                                 | <b>Secchi Disk (m)</b>                            | <b>Total Depth (m)</b>       | <b>Sp COND (µmhos/cm)</b> | <b>Salinity (PPTH)</b>     |  |
| 6/20/2022                                                                                                                                                                                                    | 1440<br>EST | 2.1                                                                                                                                                                                                   | 26.6             | 27.8              | 6.25                                                                                                      | 0.3                                                                                     | 0.4<br><input type="checkbox"/> VOB (S)           | 0.418                        | 94.3                      | 0.04                       |  |
|                                                                                                                                                                                                              | EST         |                                                                                                                                                                                                       |                  |                   |                                                                                                           |                                                                                         | Central Lab please use top row for login purposes |                              |                           |                            |  |
| <b>Parameter Suite</b>                                                                                                                                                                                       |             | <b>Parameter Methods</b>                                                                                                                                                                              |                  |                   |                                                                                                           | <b>Preservation</b>                                                                     | <b>pH Check</b>                                   | <b># Bottles sent to Lab</b> | <b>Bottle Group</b>       |                            |  |
| <b>Preserved Nutrients (P-500ML)</b>                                                                                                                                                                         |             | <input type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                  |                  |                   |                                                                                                           | <input type="checkbox"/> Ice <input type="checkbox"/> H2SO4*                            | <input type="checkbox"/> <2                       |                              |                           |                            |  |
|                                                                                                                                                                                                              |             | <b>Lot #</b>                                                                                                                                                                                          |                  |                   | <b>Exp:</b>                                                                                               |                                                                                         |                                                   |                              |                           |                            |  |
| <b>Metals (P-500ML)</b>                                                                                                                                                                                      |             | <input checked="" type="checkbox"/> W-ICPMS <input checked="" type="checkbox"/> W-ICP <input checked="" type="checkbox"/> W-HARD                                                                      |                  |                   |                                                                                                           | <input checked="" type="checkbox"/> Ice <input type="checkbox"/> HNO3*                  | <input checked="" type="checkbox"/> <2            | 1                            | B                         |                            |  |
|                                                                                                                                                                                                              |             | <b>Lot #</b>                                                                                                                                                                                          | Na1286110        |                   | <b>Exp:</b>                                                                                               | 11/16/22                                                                                |                                                   |                              |                           |                            |  |
| <b>Filtered Nutrients (P125ML)</b>                                                                                                                                                                           |             | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                               |                  |                   |                                                                                                           | <input type="checkbox"/> Ice                                                            |                                                   |                              |                           |                            |  |
|                                                                                                                                                                                                              |             | <b>Filter Lot #</b>                                                                                                                                                                                   |                  |                   | <b>Syringe Lot #</b>                                                                                      |                                                                                         |                                                   |                              |                           |                            |  |
| <b>BOD (BP-1L)</b>                                                                                                                                                                                           |             | <input type="checkbox"/> OV-BODUNIN                                                                                                                                                                   |                  |                   |                                                                                                           | <input checked="" type="checkbox"/> Ice                                                 |                                                   |                              |                           |                            |  |
| <b>Chlorophyll (BP-1L)</b>                                                                                                                                                                                   |             | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                   |                  |                   |                                                                                                           | <input type="checkbox"/> Ice                                                            |                                                   |                              |                           |                            |  |
| <b>Physical/Aggregate (Fresh) (P-1L)</b>                                                                                                                                                                     |             | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                  |                  |                   |                                                                                                           | <input type="checkbox"/> Ice                                                            |                                                   |                              |                           |                            |  |
| <b>Physical/Aggregate (Marine) (P-1L)</b>                                                                                                                                                                    |             | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                                         |                  |                   |                                                                                                           | <input type="checkbox"/> Ice                                                            |                                                   |                              |                           |                            |  |
| <b>Macroinvertebrates (PJ-2L)</b>                                                                                                                                                                            |             | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                   |                  |                   |                                                                                                           | <input type="checkbox"/> Formalin                                                       |                                                   |                              |                           |                            |  |
| <b>Periphyton (PT-50ML)</b>                                                                                                                                                                                  |             | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                     |                  |                   |                                                                                                           | <input type="checkbox"/> Ice                                                            |                                                   |                              |                           |                            |  |
| <b>Microbiology (Contract Lab Bottle)</b>                                                                                                                                                                    |             | <input checked="" type="checkbox"/> Coli <input type="checkbox"/> Coli <input type="checkbox"/> Enterococci<br><input checked="" type="checkbox"/> Contract Lab                                       |                  |                   |                                                                                                           | <input checked="" type="checkbox"/> Ice                                                 |                                                   | 1                            | B                         |                            |  |
| <b>Molecular (QPCR-P-500ML)</b>                                                                                                                                                                              |             | <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                                                            |                                                   |                              |                           |                            |  |
| <b>Tracers (BG-500ML)</b>                                                                                                                                                                                    |             | <input type="checkbox"/> W-E8321-DI <input type="checkbox"/> W-E8321-MS                                                                                                                               |                  |                   |                                                                                                           | <input type="checkbox"/> Ice                                                            | <b>MCAA Exp.</b>                                  |                              |                           |                            |  |
| <b>Pesticides (BG-500ML) (BG-1L)</b>                                                                                                                                                                         |             | W-E8321-DI WE8321-MS W-PSNP-TQ W-CT-Cl-R<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-TR-SQ-R<br>W-PCH-TQ-R                                                                             |                  |                   |                                                                                                           | <input type="checkbox"/> Ice                                                            | <b>MCAA Lot#</b>                                  |                              |                           |                            |  |
| <b>Phytoplankton/Periphyton</b>                                                                                                                                                                              |             | DTY-QN-C PKD-QN-C                                                                                                                                                                                     |                  |                   |                                                                                                           | <input type="checkbox"/> Ice                                                            |                                                   |                              |                           |                            |  |
| <b>Name:</b><br>Jeremy Parrish<br>Katrin Villinger                                                                                                                                                           |             |                                                                                                                                                                                                       |                  |                   | <b>Signature:</b><br> |                                                                                         |                                                   |                              |                           | <b>Date:</b><br>06/20/2022 |  |

\*2.0 ml of Preservative used unless noted otherwise.

\*\*MCAA: Monochloroacetic acid buffer solution

Date of Request: 14-MAR-2022  
 Created By: PARRISH\_J On: 14-MAR-2022  
 Modified By: JASROTIA\_P On: 06-APR-2022  
 Customer: NE-DIST  
 Project: SMP  
 Division: Division of Environmental Assessment and Restoration  
 District: Northeast District  
 Event Description: Nassau West 2022

**Send Coolers To:**

Phone: 904-256-1700  
 8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256  
 Attn: Jeremy Parrish  
 Cooler Ship EMail: Jeremy.M.Parrish@dep.state.fl.us

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 06-APR-2022  
 Biology Request Reviewed By: JASROTIA\_P On: 06-APR-2022  
 Sampling Kit Required: YES Ship on: 15-APR-2022  
 Sampling Kit Shipped: YES On: 14-APR-2022  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 25-APR-2022  
 Logged In By: SHAIK\_A On: 21-JUN-2022

**Send Final Report To:**

8800 Baymeadows Way West  
 Suite 100  
 Jacksonville, FL 32256  
 Attn: Jeremy Parrish  
 Report Notification EMail: Jeremy.M.Parrish@dep.state.fl.us

Comments: Group A: (Surf.Fresh)Nutrients, Metals, Bacteria  
 Group B:(Surf.Fresh) Metals, Bacteria

Packing Notes:  
 None

**Bottle Group A (Water) With 5 Samples:**

|                             |                      |                                                                                                              |
|-----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L           | Number of Bottles: 5 | 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-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: 5 | Preserved With: ICE                                                                                          |
| CHLSUITE-W                  | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 5 | Preserved With: ICE                                                                                          |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems   |
| Bottle Type: P-500ML        | Number of Bottles: 5 | 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                    |                      |                                                                                                              |

**Bottle Group A (Water) With 5 Samples:**

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 5 | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template: SMP-FRESH  | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium              |                      |                                                                                                                                                |
| Iron                 |                      |                                                                                                                                                |
| Magnesium            |                      |                                                                                                                                                |
| Potassium            |                      |                                                                                                                                                |
| Sodium               |                      |                                                                                                                                                |
| Strontium            |                      |                                                                                                                                                |
| Tin                  |                      |                                                                                                                                                |
| Titanium             |                      |                                                                                                                                                |
| Vanadium             |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template: DEFAULT    | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| *Boron               |                      |                                                                                                                                                |
| Aluminum             |                      |                                                                                                                                                |
| Antimony             |                      |                                                                                                                                                |
| Arsenic              |                      |                                                                                                                                                |
| Barium               |                      |                                                                                                                                                |
| Beryllium            |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Chromium             |                      |                                                                                                                                                |
| Cobalt               |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Manganese            |                      |                                                                                                                                                |
| Molybdenum           |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Selenium             |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Thallium             |                      |                                                                                                                                                |

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 5 | Preserved With: ICE And H2SO4                                       |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L          |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L  |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices    |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices    |

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

|                             |                      |                                                                                                                                                |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 2 | Preserved With: ICE                                                                                                                            |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Collert 18 Quanti-Tray method - non-chlorinated water systems                                      |
| Bottle Type: P-500ML        | Number of Bottles: 2 | 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                    |                      |                                                                                                                                                |

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

Bottle Type: P-500ML

Number of Bottles: 2

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

Antimony  
Arsenic  
Barium  
Beryllium  
Cadmium  
Chromium  
Cobalt  
Copper  
Lead  
Manganese  
Molybdenum  
Nickel  
Selenium  
Silver  
Thallium

---

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

