# Login Checklist

RQ- **2022 - 09 - 05 - 36** Login Station ID: **# 2**

Shipping Method: ~~FedEx~~ | UPS | HD | Greyhound Date/Time of Receipt: **09/14/2022 / 09:40**

| *Cooler Temperature | Samples Frozen? | * All Samples in Cooler Preserved with | | Number of Sample Containers in Cooler | Evidence Tape | | | | Waybill Tracking # |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Present? | | *Intact? | | |
| | YES | $HNO_3$ | Formalin | | Yes | No | Yes | No | |
| **1.9C** | | | | **13** | | | | | **9293 8011 3609** |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

**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/ Field Sheet(s) Included? Yes ✓ No ~~x~~ NRB

**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 **X** 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:** **09/14/2022** **Event contains NCRs (Y/N)?** **N**

**Event ID:** **NE - DIST - 2022 - 09 - 14 - 0**

# Login Checklist

| Login Preservation Equipment | Lot # & Exp: Date |
|---|---|
| Infrared Thermometer ID: | IRTG # 2 EXP:10/19/2022 |
| pH Test Strips 0 – 6 | LOT#223819AV EXP:8/30/23 |
| pH Paper 0 – 3 | N/A |
| pH Paper 0 – 13 | LOT#207621 EXP:3/15/2024 |
| Chlorine Test Strips | 0070 / 2023 / 02 |

**Additional Comments:**

**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#** _____

# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
# CHAIN OF CUSTODY FORM

**Date:** 9/13/2022
**Customer:** NE-DIST
**RQ:** RQ-2022-09-05-36
**Collected By:** Katrin Villinger, Katherine Halbert
**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 |
|---|---|
| UNNAMED STREAM @ CR 121 | 19010127 |
| DEEP CR @ HAMP HICKS RD | 19010084 |
| Tributary to Deep Creek @ Kinard Rd. | 19010083 |
| Tributary to Deep Creek at CR121 | G4NE0314 |

**RELINQUISHED BY(SIGNATURE):**

**DATE/TIME:** 9/13/2022 1630 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

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

**Rec'd/Inspected Date:** 09/14/2022 / 09:40

| | |
|---|---|
| RQ-2022-09-05-36 | **Collected By:** Katrin Villinger, Katherine Halbert |
| **Customer:** FDEP | **Field Report Prepared by:** Katrin Villinger, Katherine Halbert |
| **Project ID:** SMP | **Sampling Agency:** FDEP |
| **WIN ID/Field ID:**  **WIN ID/Field ID:** 19010127 | **Comments:** Microbiology sample(s) submitted to contract laboratory. |

**Location:**
**Location:** UNNAMED STREAM @ CR 121

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. © | pH | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTh |
|---|---|---|---|---|---|---|---|---|---|
| 9/13/2022 945 | 2.16 | 26.2 | 25.1 | 4.42 | 0.062 | 0.124 | 0.124 | 52.5 | 0.02 |

| Parameter Suite | Parameter Methods | Preservation | pH Check | | # Bottles sent to Lab | Bottle Group |
|---|---|---|---|---|---|---|
| Preserved Nutrients (P-500ML) | X W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP<br>Lot # SA145160 Exp: 06/02/23 | X Ice X H2SO4* | X | <2 | 1 | A |
| Metals (P-500ML) | x W-ICPMS X W-ICP X W-HARD<br>Lot # NA1105100 Exp: 06/07/22 | X Ice X HNO3* | X | <2 | 1 | A |
| Filtered Nutrients (P125ML) | W-PO4-F Field Filtered 0.45 um Filter<br>Filter Lot # Syringe Lot # | Ice | | | | |
| BOD (BP-1L) | OV-BODUNIN | Ice | | | | |
| Chlorophyll (BP-1L) | x CHLSUITE-W | x Ice | | | 1 | A |
| Physical/Aggregate (Fresh) (P-1L) | X Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS | x Ice | | | 1 | A |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY | Ice | | | | |
| Macroinvertebrates (PJ-2L) | MI-FW-QLDC Formalin Lot # | Formalin | | | | |
| Periphyton (PT-50ML) | ALGAE-ID | Ice | | | | |
| Microbiology (Contract Lab Bottle) | X E Coli F Coli Enterococci<br>X Contract Lab | x Ice | | | 1 | A |
| Molecular (QPCR-P-500ML) | PCR-HF183 PCR-BacR PCR-DG3<br>PCR-GULL2 PCR-GFD | Ice | | | | |
| Tracers (BG-500ML) | W-E8321-DI W-E8321-MS | Ice | | | | |
| Pesticides (BG-500ML) (BG-1L) | W-E8321-DI W-E8321-MS W-PSNP-TQ<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA Buffer Solution) W-CT-CL-R<br>W-TR-SQ-R W-PCB-TQ-R | Ice MCAA Exp. | MCAA Lot# | | | |
| Phytoplankton | DTY-QN-C PKD-QN-BV | Ice | | | | |

| | |
|---|---|
| RQ-2022-09-05-36 | **Collected By**: Katrin Villinger, Katherine Halbert |
| **Customer**: FDEP | **Field Report Prepared by**: Katrin Villinger, Katherine Halbert |
| **Project ID**: SMP | **Sampling Agency**: FDEP |
| **WIN ID/Field ID**:  **WIN ID/Field ID:** 19010084 | **Comments**: Microbiology sample(s) submitted to contract laboratory. |

**Location:**
**Location**: DEEP CR @ HAMP HICKS RD

Matrix: Fresh (Check One) ✓Grab ☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. © | pH | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTh |
|---|---|---|---|---|---|---|---|---|---|
| 9/13/2022 1010 | 4.38 | 52.7 | 24.7 | 3.76 | 0.23 | 0.3 | 0.458 | 74.2 | 0.03 |

| Parameter Suite | Parameter Methods | Preservation | pH Check | # Bottles sent to Lab | Bottle Group |
|---|---|---|---|---|---|
| Preserved Nutrients (P-500ML) | X W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP<br>Lot # SA214160 Exp: 06/02/23 | x Ice x H2SO4* | X <2 | 1 | A |
| Metals (P-500ML) | x W-ICPMS x W-ICP x W-HARD<br>Lot # NA1286110 Exp: 11/16/22 | X Ice X HNO3* | X <2 | 1 | A |
| Filtered Nutrients (P125ML) | W-PO4-F Field Filtered 0.45 um Filter<br>Filter Lot # Syringe Lot # | Ice | | | |
| BOD (BP-1L) | OV-BODUNIN | Ice | | | |
| Chlorophyll (BP-1L) | x CHLSUITE-W | x Ice | | 1 | A |
| Physical/Aggregate (Fresh) (P-1L) | X Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS | x Ice | | 1 | A |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY | Ice | | | |
| Macroinvertebrates (PJ-2L) | MI-FW-QLDC Formalin Lot # | Formalin | | | |
| Periphyton (PT-50ML) | ALGAE-ID | Ice | | | |
| Microbiology (Contract Lab Bottle) | X E Coli F Coli Enterococci<br>X Contract Lab | x Ice | | 1 | A |
| Molecular (QPCR-P-500ML) | PCR-HF183 PCR-BacR PCR-DG3<br>PCR-GULL2 PCR-GFD | Ice | | | |
| Tracers (BG-500ML) | W-E8321-DI W-E8321-MS | Ice | | | |
| Pesticides (BG-500ML) (BG-1L) | W-E8321-DI W-E8321-MS W-PSNP-TQ<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA Buffer Solution) W-CT-CL-R<br>W-TR-SQ-R W-PCB-TQ-R | Ice MCAA Exp. | MCAA Lot# | | |
| Phytoplankton | DTY-QN-C PKD-QN-BV | Ice | | | |

| | |
|---|---|
| RQ-2022-09-05-36 | **Collected By**: Katrin Villinger, Katherine Halbert |
| **Customer**: FDEP | **Field Report Prepared by**: Katrin Villinger, Katherine Halbert |
| **Project ID**: SMP | **Sampling Agency**: FDEP |
| **WIN ID/Field ID:**  **WIN ID/Field ID:** 19010083 | **Comments**: Microbiology sample(s) submitted to contract laboratory. Lost physicals bottle at this site, replaced with extra chlorophyll bottle. Sub bottle has been updated with correct analytes. |
| **Location:** **Location**: Tributary to Deep Creek @ Kinard Rd. | |
| Matrix: Fresh | (Check One) ✓Grab ☐ Composite |

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. © | pH | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTh |
|---|---|---|---|---|---|---|---|---|---|
| 9/13/2022 1040 | 4.97 | 59.7 | 24.6 | 3.96 | 0.05 | 0.1 | 0.1 | 57 | 0.03 |

| Parameter Suite | Parameter Methods | Preservation | pH Check | | # Bottles sent to Lab | Bottle Group |
|---|---|---|---|---|---|---|
| Preserved Nutrients (P-500ML) | X W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP<br>Lot # SA14160 Exp: 06/02/23 | x Ice x H2SO4* | X | <2 | 1 | A |
| Metals (P-500ML) | x W-ICPMS X W-ICP X W-HARD<br>Lot # NA1105100 Exp: 06/07/22 | x Ice x HNO3* | X | <2 | 1 | A |
| Filtered Nutrients (P125ML) | W-PO4-F Field Filtered 0.45 um Filter<br>Filter Lot # Syringe Lot # | Ice | | | | |
| BOD (BP-1L) | OV-BODUNIN | Ice | | | | |
| Chlorophyll (BP-1L) | x CHLSUITE-W | x Ice | | | 1 | A |
| Physical/Aggregate (Fresh) (P-1L) | X Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W- TDS | x Ice | | | 1 | A |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY | Ice | | | | |
| Macroinvertebrates (PJ-2L) | MI-FW-QLDC Formalin Lot # | Formalin | | | | |
| Periphyton (PT-50ML) | ALGAE-ID | Ice | | | | |
| Microbiology (Contract Lab Bottle) | X E Coli F Coli Enterococci<br>X Contract Lab | x Ice | | | 1 | A |
| Molecular (QPCR-P-500ML) | PCR-HF183 PCR-BacR PCR-DG3<br>PCR-GULL2 PCR-GFD | Ice | | | | |
| Tracers (BG-500ML) | W-E8321-DI W-E8321-MS | Ice | | | | |
| Pesticides (BG-500ML) (BG-1L) | W-E8321-DI W-E8321-MS W-PSNP-TQ<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA Buffer Solution) W-CT-CL-R<br>W-TR-SQ-R W-PCB-TQ-R | Ice MCAA Exp. | MCAA Lot# | | | |
| Phytoplankton | DTY-QN-C PKD-QN-BV | Ice | | | | |

| | |
|---|---|
| RQ-2022-09-05-36 | **Collected By**: Katrin Villinger, Katherine Halbert |
| **Customer**: FDEP | **Field Report Prepared by**: Katrin Villinger, Katherine Halbert |
| **Project ID**: SMP | **Sampling Agency**: FDEP |
| **WIN ID/Field ID:**  **WIN ID/Field ID:** G4NE0314 | **Comments**: Microbiology sample(s) submitted to contract laboratory. |

**Location:**
**Location**: Tributary to Deep Creek at CR121

Matrix: Fresh | (Check One) ✓Grab ☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. © | pH | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPTh |
|---|---|---|---|---|---|---|---|---|---|
| 9/13/2022 1115 | 4.54 | 54.4 | 24.4 | 3.75 | 0.074 | 0.148 | 0.148 | 69.4 | 0.03 |

| Parameter Suite | Parameter Methods | Preservation | pH Check | # Bottles sent to Lab | Bottle Group |
|---|---|---|---|---|---|
| Preserved Nutrients (P-500ML) | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP<br>Lot # Exp: | Ice H2SO4* | <2 | | |
| Metals (P-500ML) | X W-ICPMS X W-ICP X W-HARD<br>Lot # NA1105100 Exp: 06/07/22 | X Ice X HNO3* | X <2 | 1 | B |
| Filtered Nutrients (P125ML) | W-PO4-F Field Filtered 0.45 um Filter<br>Filter Lot # Syringe Lot # | Ice | | | |
| BOD (BP-1L) | OV-BODUNIN | Ice | | | |
| Chlorophyll (BP-1L) | CHLSUITE-W | Ice | | | |
| Physical/Aggregate (Fresh) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS | Ice | | | |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY | Ice | | | |
| Macroinvertebrates (PJ-2L) | MI-FW-QLDC **Formalin Lot #** | Formalin | | | |
| Periphyton (PT-50ML) | ALGAE-ID | Ice | | | |
| Microbiology (Contract Lab Bottle) | X E Coli F Coli Enterococci<br>X Contract Lab | x Ice | | 1 | B |
| Molecular (QPCR-P-500ML) | PCR-HF183 PCR-BacR PCR-DG3<br>PCR-GULL2 PCR-GFD | Ice | | | |
| Tracers (BG-500ML) | W-E8321-DI W-E8321-MS | Ice | | | |
| Pesticides (BG-500ML) (BG-1L) | W-E8321-DI W-E8321-MS W-PSNP-TQ<br>W-PCL-TQ-R W-CARB-AA (5 ml of MCAA Buffer Solution) W-CT-CL-R<br>W-TR-SQ-R W-PCB-TQ-R | Ice MCAA Exp. | MCAA Lot# | | |
| Phytoplankton | DTY-QN-C PKD-QN-BV | Ice | | | |

# CHAIN OF CUSTODY RECORD

DIVERSIFIED ENVIRONMENTAL LABORATORIES, INC.

**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



Company Name: Florida Department of Environmental Protection
Address: 8800 Baymeadows Way W Ste 100
City: Jacksonville State: FL Zip: 32256
Attn: Jeremy Parrish Jeremy M.Parrish@floridadep.gov
Tel: E-mail or Fax: DEP-Overflowmicro@dep state fl.us
Project Name: SMP Nassau West
Project Number: RQ-2022- 09-05-36
Project Location:
Sampler Name/Signature: Katrin Villinger

**Container Information (Qty, Size, & Type)**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 250mL P NPW DW 09/13/22 | NPW | NPW | | | | | | | |
| **Container Preservation Codes** | | | | | | | | | |
| 6 | 6 | 6 | | | | | | | |
| **Parameters** | | | | | | | | | |
| E. Coli - Quantitray | Enterococci - Quantitray | Coliform, Fecal - MF 3 Dilutions | | | | | | | |

**Sample Matrix Codes:**
A Air P Petroleum
B. Bulk S Soil/Sludge
W Wipe O Other _____
PW. Potable Water
NPW Non-Potable Water

**Sample Kit or Container Lot #:** NA

**Preservation Codes:**
0 None 5. Na2S2O3
1. H2SO4 6 Crushed Ice (4C)
2 HNO3 7 C6H8O6
3 HCl 8 NH4Cl
4. NaOH 9 Other (List)

**Thermal Preservation:**
In Crushed Ice? (Yes) / No
Cooler Temp. 0.5 °C
Sample Cont. Temp 2.6 °C

| Transfer # | Sample # (Lab Use Only) | Sample Identification | Date Sampled | Time Sampled | Sample Matrix Code | Specific Cond. (Field) | Comp | Grab |
|---|---|---|---|---|---|---|---|---|
| 1 | | 19010127 | 9/13/22 | 945 | NPW | 52.5 | | ✓ |
| 2 | | 19010084 | 9/13/22 | 1010 | NPW | 74.2 | | ✓ |
| 3 | | 19010083 KH | 9/13/22 | 1040 | NPW | 57.0 | | ✓ |
| 4 | | G4NE031H | 9/13/22 | 1115 | NPW | 69.4 | | ✓ |
| 5 | | ~~19010093 KH~~ | ~~9/13/22~~ | | ~~NPW~~ | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |

**Turnaround Requested:**
X Standard (10 Business Days)
___ Semi-Rush (3-5 Business Days)
___ Rush (1-2 Business Days)
Turnaround times are estimated & subject to change. Surcharges apply for all Rush samples.

**Billing Information:**
_____ Invoice with Report
_____ Invoice to Accounting
Req. # _____
P.O #: _____

Special Instructions:

| Transfer Numbers | Relinquished By | Date / Time | Received By | Date / Time |
|---|---|---|---|---|
| 1-4 | | 09/13/22 1439 | DC VC | 09/13/22 1439 |
| | | | | |
| | | | | |

NELAP ACCREDITED TNI LABORATORY
Certification #E821059

# RQ-2022-09-05-36



Date of Request: 12-AUG-2022
Created By: PARRISH_J On: 12-AUG-2022
Modified By: JASROTIA_P On: 17-AUG-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: 17-AUG-2022
Biology Request Reviewed By: JASROTIA_P On: 17-AUG-2022
Sampling Kit Required: YES Ship on: 26-AUG-2022
Sampling Kit Shipped: YES On: 23-AUG-2022
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: NO
Date to Receive Samples: 05-SEP-2022
Logged In By: SHAIK_A On: 14-SEP-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 CaCO3/L |
| TURBIDITY | Template: DEFAULT | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices |
| W-CL-IC | Template: DEFAULT | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices |
| W-COLOR<br>Color (true) | Template: DEFAULT | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring) |
| 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-WI-THI Number of Bottles: 5 Preserved With: ICE

| | | |
|---|---|---|
| NE-DIV-ECQ | Template: DEFAULT | (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by Diversified Environmental Laboratories in Jacksonville |

Bottle Type: P-500ML Number of Bottles: 5 Preserved With: HNO3

| | | |
|---|---|---|
| W-HARD<br>Hardness | Template: DEFAULT | (SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3 |

## 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 |
| Aluminum | | |
| Antimony | | |
| Arsenic | | |
| Barium | | |
| Beryllium | | |
| Boron | | |
| 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-WI-THI Number of Bottles: 2 Preserved With: ICE

| | | |
|---|---|---|
| NE-DIV-ECQ | Template: DEFAULT | (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by Diversified Environmental Laboratories in Jacksonville |

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 |
| Aluminum | | |
| Antimony | | |

**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

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