

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Suwannee Springs

last revised Apr 7, 2016

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. Parrish

Field Report Prepared By:

Collected By:

Sampling Agency:

Field ID:



G1NE0829 04112017

Wacassassa R

@ SR 24

STORET



21030006

|                                                                   |  |                                                                    |  |                                                                         |          |
|-------------------------------------------------------------------|--|--------------------------------------------------------------------|--|-------------------------------------------------------------------------|----------|
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | Salinity (ppt) <input type="checkbox"/> dd <input type="checkbox"/> dms | Comments |
| Location                                                          |  | Field ID                                                           |  | STORET #                                                                |          |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | Salinity (ppt) <input type="checkbox"/> dd <input type="checkbox"/> dms | Comments |
| Location                                                          |  | Field ID                                                           |  | STORET #                                                                |          |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | Salinity (ppt) <input type="checkbox"/> dd <input type="checkbox"/> dms | Comments |
| Location                                                          |  | Field ID                                                           |  | STORET #                                                                |          |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | Salinity (ppt) <input type="checkbox"/> dd <input type="checkbox"/> dms | Comments |
| Location                                                          |  | Field ID                                                           |  | STORET #                                                                |          |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms |  | Salinity (ppt) <input type="checkbox"/> dd <input type="checkbox"/> dms | Comments |

|                                                                           |                                                             |                                    |                               |                               |
|---------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------|-------------------------------|-------------------------------|
| <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 4-11-2017 Time 1155 | Eastern<br>Central                 | Composite end<br>Date Time    | Bottle Group(s)<br>(See pg 2) |
| Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                             | Diss. Oxygen 8.65 mg/L<br>92 % sat | Total Res. Chlorine (mg/L)    | A, B                          |
| Temp (C) 18.1                                                             | pH 7.82                                                     | Sample Depth 0.3 ft<br>m           | Sp. Conductance (umho/cm) 256 |                               |

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

J. Kalmbacher 4-11-2017 1630

FedEx

1

J. Kalmbacher

04/12/17 09:50 am

|            |                                                                                    |                |                 |               |               |                                     |   |
|------------|------------------------------------------------------------------------------------|----------------|-----------------|---------------|---------------|-------------------------------------|---|
| Group: A   | Bottle Type:                                                                       | P-1L           | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|            | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |                |                 |               |               |                                     |   |
| Group: A   | Bottle Type:                                                                       | BP-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|            | CHLSUITE-W                                                                         |                |                 |               |               |                                     |   |
| Group: A   | Bottle Type:                                                                       | P-500ML        | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | 1 |
|            | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    |                |                 |               |               |                                     |   |
| Group: A   | Bottle Type:                                                                       | P-125ML        | # of Bottles: 1 | Preservative: | ICE-FLTR      | Enter Number of Bottles Sent to Lab | 1 |
|            | W-PO4-F                                                                            |                |                 |               |               |                                     |   |
| Group: B C | Bottle Type:                                                                       | P-120ML-WC-THI | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|            | NED-AEG-EC                                                                         |                |                 |               |               |                                     |   |
| Group: B C | Bottle Type:                                                                       | QPCR-P-250ML   | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 2 |
|            | PCR-FILTER                                                                         |                |                 |               |               |                                     |   |
| Group: B C | Bottle Type:                                                                       | BG-1L          | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | 1 |
|            | W-AHERB-AA<br>W-SUC-AA-R<br>W-UHERB-AA                                             |                |                 |               |               |                                     |   |

Group B MI-FW-QLDC # of Bottles 2 Preservative Formalin Bottles sent 2

Date of Request: 10-FEB-2017  
 Created By: PARRISH\_J On: 10-FEB-2017  
 Modified By: MATTHEWS\_D On: 14-MAR-2017  
 Customer: NE-DIST  
 Project: SMP  
 Division:  
 District: Northeast District  
 Sampling Event: 3678,3699 SCI's

**Send Coolers To:**

Phone: 904-256-1700  
 8800 Baymeadows Way West  
  
 Jacksonville, FL 32256-7577  
 Attn: Jeremy Parrish

Program Module Number:  
 Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 10-MAR-2017  
 Biology Request Reviewed By: MATTHEWS\_D On: 14-MAR-2017  
 Sampling Kit Required: YES Ship on: 21-MAR-2017  
 Sampling Kit Shipped: YES On: 21-MAR-2017  
 Sampling Kit Packed By: REYNOLDS\_T  
 Preservatives Needed: NO  
 Date to Receive Samples: 03-APR-2017  
 Received By:

**Send Final Report To:**

8800 Baymeadows Way West  
  
 Jacksonville, FL 32256-7577  
 Attn: Jeremy Parrish

Report Type: Final Only  
 FTP Data: NO  
 QC Report: YES  
 Date Log: NO  
 Authorization Log: NO

Comments:

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

|                      |                      |                                                                                                                    |
|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L    | Number of Bottles: 1 | Preserved With: ICE                                                                                                |
| ALKALINITY           | Template: DEFAULT    | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                        |
| TURBIDITY            | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                 |
| W-CL-IC              | Template: DEFAULT    | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices                                                                  |
| W-COLOR              | Template: DEFAULT    | (SM 2120 B) True Color measured at 450 nm                                                                          |
| Color (true)         |                      |                                                                                                                    |
| W-F                  | Template: DEFAULT    | (SM 4500 F-C-97) 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-97) Total Dissolved Solids in aqueous matrices                                                          |
| W-TSS                | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                          |
| Bottle Type: BP-1L   | Number of Bottles: 1 | Preserved With: ICE                                                                                                |
| CHLSUITE-W           | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry |
| Bottle Type: P-500ML | Number of Bottles: 1 | Preserved With: ICE And H2SO4                                                                                      |
| W-NH3                | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                         |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                 |
| W-S-A-TP             | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L                                                |
| W-TKN                | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                   |
| W-TOC                | Template: DEFAULT    | (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices                                                     |
| Bottle Type: P-125ML | Number of Bottles: 1 | Preserved With: ICE-FLTR                                                                                           |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                           |

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

|                    |                      |                                                                |
|--------------------|----------------------|----------------------------------------------------------------|
| Bottle Type: PJ-2L | Number of Bottles: 4 | Preserved With: Formalin                                       |
| MI-FW-QLDC         | Template: DEFAULT    | (SOP-I206) No. Taxa of FW macroinverts, qual samp, 20 dipnets. |

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

|              |                      |                                                                                                                                               |
|--------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: | Number of Bottles: 2 | Preserved With: ICE                                                                                                                           |
| NED-AEG-EC   | Template: DEFAULT    | (EPA 1603) Escherichia coli by membrane filter method using modified mTEC by Advanced Environmental Gainesville Overflow Laboratories for NED |

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

|                           |                      |                                                                                        |
|---------------------------|----------------------|----------------------------------------------------------------------------------------|
| Bottle Type: QPCR-P-250ML | Number of Bottles: 4 | Preserved With: ICE                                                                    |
| PCR-FILTER                | Template: DEFAULT    | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis          |
| Bottle Type: BG-1L        | Number of Bottles: 2 | Preserved With: ICE                                                                    |
| W-AHERB-AA                | Template: SFWMD      | (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS |
| W-SUC-AA-R                | Template: DEFAULT    | (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS                      |
| W-UHERB-AA                | Template: DEFAULT    | (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS   |

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

|                       |                      |                                                                                                        |
|-----------------------|----------------------|--------------------------------------------------------------------------------------------------------|
| Bottle Type: BG-500ML | Number of Bottles: 4 | Preserved With: ICE                                                                                    |
| W-CT-CI-R             | Template: DEFAULT    | (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization      |
| W-PCL-SQ-R            | Template: DEFAULT    | (EPA 8270D) Organochlorine pesticides in water matrices by GC/MS-SIM                                   |
| Bottle Type: BG-1L    | Number of Bottles: 4 | Preserved With: ICE                                                                                    |
| W-PSNP-TQ             | Template: DEFAULT    | (EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS |
| Bottle Type: BG-1L    | Number of Bottles: 1 | Preserved With: ICE                                                                                    |
| W-PYR-AA-R            | Template: DEFAULT    | (EPA 8321B) Pyraclostrobin in water matrices by HPLC/MS/MS                                             |
| Bottle Type: BG-1L    | Number of Bottles: 1 | Preserved With: ICE                                                                                    |
| W-AHERB-AA            | Template:            | (USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS                 |
| W-GLYPH               | Template: DEFAULT    | (EPA 8321B) Glyphosate in water matrices by HPLC/MS/MS                                                 |

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

|                                   |                      |                                                                                                                                                |
|-----------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L                 | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| ALKALINITY                        | Template: DEFAULT    | (SM 2320 B-97) 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    | (SM 2120 B) True Color measured at 450 nm                                                                                                      |
| Color (true)                      |                      |                                                                                                                                                |
| W-F                               | Template: DEFAULT    | (SM 4500 F-C-97) 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-97) Total Dissolved Solids in aqueous matrices                                                                                      |
| W-TSS                             | Template: DEFAULT    | (SM 2540 D-97) Total Suspended Solids in aqueous matrices                                                                                      |
| Bottle Type: BP-1L                | Number of Bottles: 1 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W                        | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry                             |
| Bottle Type: P-500ML              | Number of Bottles: 1 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| W-ICP                             | Template:            | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium                           |                      |                                                                                                                                                |
| Chromium                          |                      |                                                                                                                                                |
| Iron                              |                      |                                                                                                                                                |
| Magnesium                         |                      |                                                                                                                                                |
| Nickel                            |                      |                                                                                                                                                |
| Potassium                         |                      |                                                                                                                                                |
| Sodium                            |                      |                                                                                                                                                |
| Zinc                              |                      |                                                                                                                                                |
| W-ICPMS                           | Template: PRTY       | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Arsenic                           |                      |                                                                                                                                                |
| Cadmium                           |                      |                                                                                                                                                |
| Copper                            |                      |                                                                                                                                                |
| Lead                              |                      |                                                                                                                                                |
| Nickel                            |                      |                                                                                                                                                |
| Silver                            |                      |                                                                                                                                                |
| Bottle Type: P-500ML              | Number of Bottles: 1 | Preserved With: ICE And H <sub>2</sub> SO <sub>4</sub>                                                                                         |
| W-NH <sub>3</sub>                 | Template: DEFAULT    | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L                                                                                     |
| W-NO <sub>2</sub> NO <sub>3</sub> | 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-00) Nonpurgeable Organic Carbon in aqueous matrices                                                                                 |
| Bottle Type: P-125ML              | Number of Bottles: 1 | Preserved With: ICE-FLTR                                                                                                                       |

---

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

Bottle Type: P-125ML      Number of Bottles: 1      Preserved With: ICE-FLTR  
W-PO4-F      Template: DEFAULT      (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

---

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

# Log-in Checklist

RQ- 2017-04-03-17

Shipping Method: Fedex

Date/Time of Receipt: 04/12/17 09:50am

| Cooler ID  | Cooler Temperature* | No. Sample Containers in Cooler | Evidence Tape |                                     |          |  | Tracking # (fill out only if waybill copy is damaged) |
|------------|---------------------|---------------------------------|---------------|-------------------------------------|----------|--|-------------------------------------------------------|
|            |                     |                                 | Present?      |                                     | *Intact? |  |                                                       |
| Yes        | No                  | Yes                             | No            |                                     |          |  |                                                       |
| <u>Red</u> | <u>1.1</u>          | <u>9</u>                        |               | <input checked="" type="checkbox"/> |          |  | <u>811305624492</u>                                   |
|            |                     |                                 |               |                                     |          |  |                                                       |
|            |                     |                                 |               |                                     |          |  |                                                       |
|            |                     |                                 |               |                                     |          |  |                                                       |
|            |                     |                                 |               |                                     |          |  |                                                       |

\*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

**\*\*Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

\*\*Chain of Custody/ Field Sheet(s) Included? Yes ☒ No ☐

## CONTAINER CHECK

\*\*Evidence Tape on Bottles? Yes ☐ No ☒ If yes, is it intact? Yes ☐ No ☐  
 \*\*Caps on tight? Yes ☒ No ☐ \*\*Containers intact? Yes ☒ No ☐  
 \*\*Sufficient Sample Volume: Yes ☒ No ☐

## CHLORINE CHECK (Blue dot on container)

| Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required. |     |                                     |               |     |    |
|------------------------------------------------------------------------------------------------------|-----|-------------------------------------|---------------|-----|----|
| Analysis                                                                                             | Yes | No                                  | Analysis      | Yes | No |
| W-1,4 DIOX                                                                                           |     |                                     | W-PC-AA-SF    |     |    |
| W-AHERB-AA (-AHB-AA-R)                                                                               |     | <input checked="" type="checkbox"/> | W-PCL-SQ (-R) |     |    |
| W-BNA (-625, -R)                                                                                     |     |                                     | W-PDQUAT      |     |    |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |                                     | W-PESTNP-R    |     |    |
| W-ENDO-AA                                                                                            |     |                                     | W-PSCL-TQ     |     |    |
| W-GLYPH                                                                                              |     |                                     | W-PSNP-TQ     |     |    |
| W-NP-AA-SF                                                                                           |     |                                     | W-PST-CL-R    |     |    |
| W-PAH (-R)                                                                                           |     |                                     | W-TR-TQ       |     |    |
| W-PCB-R                                                                                              |     |                                     | W-CT-CI-R     |     |    |

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

\*\*Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: MR  
 \*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☐ NA ☒ Init: MR  
 Coolers Unpacked/Checked by: MR Date: 04/12/17 NCRs (Y/N)? N  
 Event ID: NE-DIST-2017-04-12-01 NCR #

## Log-in Checklist

### Samples with Incorrect pH Preservation or presence of Chlorine

| Field ID | Bottle Test ID(s) | pH / Cl | Action Taken |
|----------|-------------------|---------|--------------|
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |

### Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

| Cooler ID | Field ID | Bottle Test ID(s) |
|-----------|----------|-------------------|
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |

### Bottles Not Intact

| Field ID | Bottle Test ID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|-------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                   |           | CK          | BR | CK                | BR |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |

### Samples with Insufficient Volume for Analyses

| Field ID | Bottle Test ID(s) | Action Taken |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

## ENCORE SAMPLES

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

Were Encore samples received? Yes \_\_\_\_\_ No ✓

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 \_\_\_\_\_

**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: \_\_\_\_\_

**Additional Comments:**