

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Customer: WQAP

Project ID: SMP

Requester: Chris Green

Field Report Prepared By: Woods

Collected By: Woods/Eckles

Sampling Agency: 8034

|                                                                      |  |                                                                           |  |                                                                                                                        |  |                                                                                              |  |                                         |  |                               |  |
|----------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------|--|-----------------------------------------|--|-------------------------------|--|
| Location<br><u>Allen Mill Pond Spring</u>                            |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date <u>6/27/17</u> Time <u>1040</u>                                                |  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central              |  | Composite end<br>Date _____ Time _____  |  | Bottle Group(s)<br>(See pg 2) |  |
| Field ID<br><u>G1TLHR0006-2017-02</u>                                |  | Matrix (type, e.g., Salt, Fresh, etc)<br><u>0</u>                         |  | Diss. Oxygen <u>0.6</u> <input checked="" type="checkbox"/> mg/L<br><u>7</u> <input checked="" type="checkbox"/> % sat |  | Total Res. Chlorine<br>(mg/L)                                                                |  | Sp. Conductance<br>(umho/cm) <u>426</u> |  | <u>A/B</u>                    |  |
| STORET #<br><u>G1TLHR0006</u>                                        |  | Temp (C) <u>21.4</u>                                                      |  | pH <u>7.2</u>                                                                                                          |  | Sample Depth <u>0.3</u> <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m |  |                                         |  |                               |  |
| Latitude <input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude <input type="checkbox"/> dd<br><input type="checkbox"/> dms     |  | Salinity (ppt) <u>0.2</u>                                                                                              |  | Comments                                                                                     |  |                                         |  |                               |  |

  

|                                                                      |  |                                                                           |  |                                                                                                                         |  |                                                                                              |  |                                         |  |                 |  |
|----------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------|--|-----------------------------------------|--|-----------------|--|
| Location<br><u>G1TLHR0025-2017-01</u>                                |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab |  | Collection (comp begin or grab)<br>Date <u>6/27/17</u> Time <u>1140</u>                                                 |  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central              |  | Composite end<br>Date _____ Time _____  |  | Bottle Group(s) |  |
| Field ID<br><u>WBID 3422P</u> Field ID <u>↑</u> STORET <u>↓</u>      |  | Matrix (type, e.g., Salt, Fresh, etc)<br><u>23</u>                        |  | Diss. Oxygen <u>2.0</u> <input checked="" type="checkbox"/> mg/L<br><u>23</u> <input checked="" type="checkbox"/> % sat |  | Total Res. Chlorine<br>(mg/L)                                                                |  | Sp. Conductance<br>(umho/cm) <u>420</u> |  | <u>A/B</u>      |  |
| STORET #<br><u>Mearson Spring</u>                                    |  | Temp (C) <u>21.8</u>                                                      |  | pH <u>7.2</u>                                                                                                           |  | Sample Depth <u>0.3</u> <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m |  |                                         |  |                 |  |
| Latitude <input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude <input type="checkbox"/> dd<br><input type="checkbox"/> dms     |  | Salinity (ppt) <u>0.2</u>                                                                                               |  | Comments                                                                                     |  |                                         |  |                 |  |

  

|                                                                      |  |                                                                       |  |                                                                              |  |                                                                        |  |                                        |  |                 |  |
|----------------------------------------------------------------------|--|-----------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|------------------------------------------------------------------------|--|----------------------------------------|--|-----------------|--|
| Location                                                             |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab        |  | Collection (comp begin or grab)<br>Date _____ Time _____                     |  | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central   |  | Composite end<br>Date _____ Time _____ |  | Bottle Group(s) |  |
| Field ID                                                             |  | Matrix (type, e.g., Salt, Fresh, etc)                                 |  | Diss. Oxygen <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |  | Total Res. Chlorine<br>(mg/L)                                          |  | Sp. Conductance<br>(umho/cm)           |  |                 |  |
| STORET #                                                             |  | Temp (C)                                                              |  | pH                                                                           |  | Sample Depth <input type="checkbox"/> ft<br><input type="checkbox"/> m |  |                                        |  |                 |  |
| Latitude <input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude <input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Salinity (ppt)                                                               |  | Comments                                                               |  |                                        |  |                 |  |

  

|                                                                      |  |                                                                       |  |                                                                              |  |                                                                        |  |                                        |  |                 |  |
|----------------------------------------------------------------------|--|-----------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|------------------------------------------------------------------------|--|----------------------------------------|--|-----------------|--|
| Location                                                             |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab        |  | Collection (comp begin or grab)<br>Date _____ Time _____                     |  | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central   |  | Composite end<br>Date _____ Time _____ |  | Bottle Group(s) |  |
| Field ID                                                             |  | Matrix (type, e.g., Salt, Fresh, etc)                                 |  | Diss. Oxygen <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat |  | Total Res. Chlorine<br>(mg/L)                                          |  | Sp. Conductance<br>(umho/cm)           |  |                 |  |
| STORET #                                                             |  | Temp (C)                                                              |  | pH                                                                           |  | Sample Depth <input type="checkbox"/> ft<br><input type="checkbox"/> m |  |                                        |  |                 |  |
| Latitude <input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Longitude <input type="checkbox"/> dd<br><input type="checkbox"/> dms |  | Salinity (ppt)                                                               |  | Comments                                                               |  |                                        |  |                 |  |

|                                  |                             |                              |                            |                                       |                              |
|----------------------------------|-----------------------------|------------------------------|----------------------------|---------------------------------------|------------------------------|
| Relinquished By:<br><u>Woods</u> | Date/Time<br><u>6/27/17</u> | Shipping Method<br><u>HD</u> | Number of Coolers Shipped: | Received By:<br><u>Tyler Reynolds</u> | Date/Time<br><u>06/28/17</u> |
|----------------------------------|-----------------------------|------------------------------|----------------------------|---------------------------------------|------------------------------|

9:10am

|          |                                                                                    |          |                  |               |               |                                           |
|----------|------------------------------------------------------------------------------------|----------|------------------|---------------|---------------|-------------------------------------------|
| Group: A | Bottle Type:                                                                       | P-1L     | # of Bottles: 8  | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | 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: 8  | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | CHLSUITE-W                                                                         |          |                  |               |               |                                           |
| Group: A | Bottle Type:                                                                       | P-500ML  | # of Bottles: 8  | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab _____ |
|          | W-ICP<br>W-ICPMS                                                                   |          |                  |               |               |                                           |
| Group: A | Bottle Type:                                                                       | P-500ML  | # of Bottles: 8  | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab _____ |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    |          |                  |               |               |                                           |
| Group: A | Bottle Type:                                                                       | P-125ML  | # of Bottles: 8  | Preservative: | ICE-FLTR      | Enter Number of Bottles Sent to Lab _____ |
|          | W-PO4-F                                                                            |          |                  |               |               |                                           |
| Group: B | Bottle Type:                                                                       | BG-1L    | # of Bottles: 8  | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | W-AHERB-AA<br>W-GLYPH<br>W-SUC-AA-R<br>W-UHERB-AA                                  |          |                  |               |               |                                           |
| Group: B | Bottle Type:                                                                       | BG-500ML | # of Bottles: 18 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | W-CT-CI-R<br>W-PCL-SQ-R                                                            |          |                  |               |               |                                           |
| Group: B | Bottle Type:                                                                       | BG-1L    | # of Bottles: 18 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |
|          | W-PSNP-TQ                                                                          |          |                  |               |               |                                           |
| Group: B | Bottle Type:                                                                       | BG-1L    | # of Bottles: 8  | Preservative: | ICE           | Enter Number of Bottles Sent to Lab _____ |

Date of Request: 04-APR-2017  
 Created By: GREEN\_C On: 04-APR-2017  
 Modified By: MATTHEWS\_D On: 06-APR-2017  
 Customer: WQAP  
 Project: SMP  
 Division:  
 District:  
 Sampling Event: pesticide template kit: C

**Send Coolers To:**

Phone: 850-245-8413  
 2600 Blair Stone Rd  
 MS #3560  
 Tallahassee, FL 32399-2400  
 Attn: Chris Green

Program Module Number:

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 05-APR-2017  
 Biology Request Reviewed By: MATTHEWS\_D On: 06-APR-2017  
 Sampling Kit Required: YES Ship on: 20-APR-2017  
 Sampling Kit Shipped: YES On: 20-APR-2017  
 Sampling Kit Packed By: REAVES\_S  
 Preservatives Needed: NO  
 Date to Receive Samples: 24-APR-2017  
 Received By: GREENWOO\_J On: 03-MAY-2017

**Send Final Report To:**

2600 Blair Stone Rd  
 MS #3560  
 Tallahassee, FL 32399-2400  
 Attn: Mike Eckles

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

Comments: Group A: Freshwater Kit With Metals  
 Group B: Pesticides  
 no fedex bills, zip ties or bubble wrap

**Bottle Group A (Water) With 8 Samples:**

|                       |                      |                                                                                                                                                |
|-----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L     | Number of Bottles: 8 | 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-SO <sub>4</sub> -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: 8 | 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: 8 | 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:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Arsenic               |                      |                                                                                                                                                |

**Bottle Group A (Water) With 8 Samples:**

|                      |                      |                                                                                                                             |
|----------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 8 | Preserved With: HNO3                                                                                                        |
| W-ICPMS              | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |

Cadmium  
Copper  
Lead  
Silver

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 8 | 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: 8 | 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 (Water) With 8 Samples:**

|                       |                       |                                                                                                        |
|-----------------------|-----------------------|--------------------------------------------------------------------------------------------------------|
| Bottle Type: BG-1L    | Number of Bottles: 8  | 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                                                 |
| 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 Type: BG-500ML | Number of Bottles: 18 | 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: 18 | 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: 8  | Preserved With: ICE                                                                                    |
| W-PYR-AA-R            | Template: DEFAULT     | (EPA 8321B) Pyraclostrobin in water matrices by HPLC/MS/MS                                             |

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

# Log-in Checklist

RQ- 2017-04-24-38

Shipping Method: HD

Date/Time of Receipt: 06/28/17 @ 9:10 am

| 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 |                                                       |
| Red       | 2.7°C               | 15                              |               | ✓  |          |    |                                                       |
| Red       | 3.1°C               | 11                              |               | ✓  |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |
|           |                     |                                 |               |    |          |    |                                                       |

\*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)                                                                               |     | <u>✓</u> | W-PCL-SQ (-R) |     | <u>✓</u> |
| W-BNA (-625, -R)                                                                                     |     |          | W-PDQUAT      |     |          |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |          | W-PESTNP-R    |     |          |
| W-ENDO-AA                                                                                            |     |          | W-PSCL-TQ     |     |          |
| W-GLYPH                                                                                              |     | <u>✓</u> | W-PSNP-TQ     |     | <u>✓</u> |
| W-NP-AA-SF                                                                                           |     |          | W-PST-CL-R    |     |          |
| W-PAH (-R)                                                                                           |     |          | W-TR-TQ       |     |          |
| W-PCB-R                                                                                              |     |          | W-CT-CI-R     |     | <u>✓</u> |

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

\*\*Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No      NA      Init: ML

\*\*W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes      No      NA ✓ Init: ML

Coolers Unpacked/Checked by: ML Date: 06/28/17 NCRs (Y/N)? N

Event ID: WQAP-2017-06-28-01 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:**