



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WATERSHED MONITORING PROGRAM  
SAMPLE CUSTODY RECORD

JK 8-23-13  
10:00 am

RQ-2013-08-19-37

Shipping Date:

January 2013

| SAMPLING AGENCY:   |                                                  | PROJECT:                                                                                                                                                           | SAMPLER NAMES: | SHIPPING METHOD: (circle or fill in)                         | LAB PROJECT CODE                      |
|--------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------|---------------------------------------|
| 8034               |                                                  | MSFNS                                                                                                                                                              | Blair/Eckles   | FedEx Greyhound<br>Hand Delivered by: Blair<br>Other Method: | Circle one**<br>GW-TREND<br>GW-STATUS |
| STATION IDENTIFIER |                                                  | SAMPLE INFORMATION                                                                                                                                                 |                |                                                              | PRESERVATION                          |
| 1                  | MSFMW15<br>Station ID<br>Station Name            | Sample Date: 8-22-13 Sample Time: 11:41 (circle one) ETZ or CTZ Matrix: Water<br>Temp: 28.9 °C Sp. Cond: 638 µmhos/cm DO: 52.7 % 4.52 mg/L pH: 6.1 SU<br>Comments: |                |                                                              | Ice? Y/N/NA<br>pH acid < 2 SU? Y/N/NA |
| 2                  | Equipment Blank #1<br>Station ID<br>Station Name | Sample Date: 8-22-13 Sample Time: 12:06 (circle one) ETZ or CTZ Matrix: Water<br>Temp: / °C Sp. Cond: / µmhos/cm DO: / % / mg/L pH: / SU<br>Comments:              |                |                                                              | Ice? Y/N/NA<br>pH acid < 2 SU? Y/N/NA |
| 3                  | MSFMW7<br>Station ID<br>Station Name             | Sample Date: 8-22-13 Sample Time: 12:33 (circle one) ETZ or CTZ Matrix: Water<br>Temp: 23.2 °C Sp. Cond: 676 µmhos/cm DO: 73.1 % 6.24 mg/L pH: 6.7 SU<br>Comments: |                |                                                              | Ice? Y/N/NA<br>pH acid < 2 SU? Y/N/NA |
| 4                  | Station ID<br>Station Name                       | Sample Date: Sample Time: (circle one) ETZ or CTZ Matrix: Water<br>Temp: °C Sp. Cond: µmhos/cm DO: % mg/L pH: SU<br>Comments:                                      |                |                                                              | Ice? Y/N/NA<br>pH acid < 2 SU? Y/N/NA |
| 5                  | Station ID<br>Station Name                       | Sample Date: Sample Time: (circle one) ETZ or CTZ Matrix: Water<br>Temp: °C Sp. Cond: µmhos/cm DO: % mg/L pH: SU<br>Comments:                                      |                |                                                              | Ice? Y/N/NA<br>pH acid < 2 SU? Y/N/NA |
| 6                  | Station ID<br>Station Name                       | Sample Date: Sample Time: (circle one) ETZ or CTZ Matrix: Water<br>Temp: °C Sp. Cond: µmhos/cm DO: % mg/L pH: SU<br>Comments:                                      |                |                                                              | Ice? Y/N/NA<br>pH acid < 2 SU? Y/N/NA |

\*\* Selected project corresponds directly with analytes listed on the back of this sheet. Analytes and sample containers are submitted as listed, per site, unless otherwise noted in the comment section above.

## GROUND WATER TREND NETWORK CONTAINER INVENTORY

| CONTAINER       | CODE                                                             | ANALYSES                                                                                                       | DESCRIPTION         | SAMPLE PREPARATION                                                       |
|-----------------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------|
| Nutrients       | W-NO2NO3, W-NH3, W-TKN, W-S-A-TP, W-TOC                          | Nitrite/Nitrate, Ammonia, TKN, Total Phosphorus, Total Organic Carbon                                          | (1) 500 ml plastic  | Unfiltered; H <sub>2</sub> SO <sub>4</sub> vial to pH < 2; chill to ≤6°C |
| Metals          | W-ICP<br><del>W-ICPMS</del><br>W-HARD                            | Ca, K, Na, Mg, Hardness                                                                                        | (1) 500 ml plastic  | Unfiltered; HNO <sub>3</sub> vial to pH < 2; chill to ≤6°C               |
| Anions          | TURBIDITY, W-COLOR, W-TDS, W-ALK, W-CL-IC, W-COND, W-F, W-SO4-IC | Turbidity, Color (true), Total Dissolved Solids, Alkalinity, Chloride, Specific Conductance, Fluoride, Sulfate | (1) 1 liter plastic | Unfiltered; chill to ≤6°C                                                |
| Bacteria        | TCOLI-MF, FCOLI-MF                                               | Total Coliform<br>Fecal Coliform                                                                               | (2) Whirlpacks 4 oz | Unfiltered; chill to ≤6°C                                                |
| Ortho-Phosphate | W-PO4-F                                                          | Ortho-Phosphate                                                                                                | (1) 125 ml plastic  | Filtered (.45µm); chill to ≤6°C                                          |

For the October GROUND WATER TREND NETWORK (GWTV) sampling event, the following analytes/bottles will be submitted:

|           |                                                |                                                                         |                    |                                                                                |
|-----------|------------------------------------------------|-------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------|
| Nutrients | W-NO2NO3-F, W-NH3-F, W-TKN-F, W-S-A-TP-F       | Nitrite/Nitrate, Ammonia, TKN, Total Phosphorus (ALL FILTERED)          | (1) 500 ml plastic | Filtered (.45µm); H <sub>2</sub> SO <sub>4</sub> vial to pH < 2; chill to ≤6°C |
| Metals    | W-ICP-F<br><del>W-ICPMS-F</del>                | Ca, K, Na, Mg (ALL FILTERED)                                            | (1) 125 ml plastic | Filtered (.45µm); HNO <sub>3</sub> vial to pH < 2; chill to ≤6°C               |
| Anions    | W-ALK-F, W-CL-IC-F, W-F-F, W-SO4-IC-F, W-PO4-F | Alkalinity, Chloride, Fluoride, Sulfate, Ortho Phosphate (ALL FILTERED) | (1) 500 ml plastic | Filtered (.45µm); chill to ≤6°C                                                |

- The (1) 125 ml plastic bottle for the ortho-phosphate will not be used during the month of October.
- For the (1) 500 ml plastic metals bottle, the additional analytes will be added in October: W-ICP (Al, Cr, Fe, Mn, Mo, Zn) and W-ICPMS (As, Cd, Cu, Pb).

## GROUND WATER STATUS NETWORK CONTAINER INVENTORY

| CONTAINER | CODE                                                             | ANALYSES                                                                                                       | DESCRIPTION         | SAMPLE PREPARATION                                                       |
|-----------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------|
| Nutrients | W-NO2NO3, W-NH3, W-TKN, W-S-A-TP, W-TOC                          | Nitrite/Nitrate, Ammonia, TKN, Total Phosphorus, Total Organic Carbon                                          | (1) 500 ml plastic  | Unfiltered; H <sub>2</sub> SO <sub>4</sub> vial to pH < 2; chill to ≤6°C |
| Metals    | W-ICP<br>W-ICPMS<br>W-HARD                                       | Al, As, Ca, Cd, Cr, Cu, Fe, K, Pb, Mg, Mn, Mo, Na, Zn, Hardness                                                | (1) 500 ml plastic  | Unfiltered; HNO <sub>3</sub> vial to pH < 2; chill to ≤6°C               |
| Anions    | W-CL-IC, W-SO4-IC, W-F, W-ALK, TURBIDITY, W-COLOR, W-TDS, W-COND | Chloride, Sulfate, Fluoride, Alkalinity, Turbidity, Color (true), Total Dissolved Solids, Specific Conductance | (1) 1 liter plastic | Unfiltered; chill to ≤6°C                                                |
| Bacteria  | TCOLI-MF, FCOLI-MF                                               | Total Coliform<br>Fecal Coliform                                                                               | (2) Whirlpacks 4 oz | Unfiltered; chill to ≤6°C                                                |

Date of Request: 01-AUG-2013  
 Created By: MADDOX\_G On: 01-AUG-2013  
 Modified By: BRACKETT\_K On: 06-AUG-2013  
 Customer: WTRSHD-MGT  
 Project: TMDL  
 Division: Division of Environmental Assessment and Restoration  
 District:  
 Sampling Event: SPRS1305 - Santa Fe Springs/GW Restoration

**Send Coolers To:**

Phone: (850) 245-8511  
 2600 Blair Stone Rd.  
  
 Tallahassee, FL 32399-2400  
 Attn: Gary Maddox

Program Module Number:  
 Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: BRACKETT\_K On: 06-AUG-2013  
 Biology Request Reviewed By:

**Send Final Report To:**

2600 Blair Stone Rd.  
  
 Tallahassee, FL 32399-2400  
 Attn: Gary Maddox

Sampling Kit Required: YES Shlp on: 16-AUG-2013 — Report-Type: Final Only  
 Sampling Kit Shipped: YES On: 14-AUG-2013 FTP Data: NO  
 Sampling Kit Packed By: RUSH\_F QC Report: YES  
 Date to Receive Samples: 19-AUG-2013 Date Log: NO  
 Received By: KITCHEN\_S On: 22-AUG-2013 Authorization Log: NO

Comments: Include 3 small half filled bottles of 1:1 sulfuric acid and 3 small bottles of 1:1 nitric acid and pipets.

Will pick up kits - Thanks!

**Suite A (Water) With 38 Samples:**

|                      |                       |                                                                                                                                                |
|----------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L    | Number of Bottles: 38 | Preserved With: ICE                                                                                                                            |
| TURBIDITY            | Template: DEFAULT     | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                             |
| W-ALK                | Template: DEFAULT     | (SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L                                                                                    |
| W-BR-IC              | Template: DEFAULT     | (EPA 300.0) Bromide 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: P-500ML | Number of Bottles: 38 | Preserved With: HNO3                                                                                                                           |
| 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 |
| Boron                |                       |                                                                                                                                                |
| Calcium              |                       |                                                                                                                                                |
| Magnesium            |                       |                                                                                                                                                |
| Potassium            |                       |                                                                                                                                                |
| Sodium               |                       |                                                                                                                                                |
| Bottle Type: P-500ML | Number of Bottles: 38 | 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: 38 | 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 Type: BG-1L   | Number of Bottles: 84 | Preserved With: ICE                                                                                                                            |

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**Suite A (Water) With 38 Samples:**

Bottle Type: BG-1L      Number of Bottles: 84      Preserved With: ICE  
W-SUC-AA-R      Template: DEFAULT      (DEP SOP: LC-001-2 (based on EPA 8321B)) Analysis of sucralose in water matrices by  
HPLC/MS/MS

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

# Log-in Checklist

RQ-2013-08-19-37

Shipping Method: HL

Date/Time of Receipt: 8-23-13 / 10:00

## COOLER CHECK

| Cooler ID           | Cooler Temp. | Evidence Tape |    |          |    | No. Sample Containers in Cooler | Tracking # (fill out only if waybill copy can't be place in folder) |
|---------------------|--------------|---------------|----|----------|----|---------------------------------|---------------------------------------------------------------------|
|                     |              | Present?      |    | *Intact? |    |                                 |                                                                     |
|                     |              | Yes           | No | Yes      | No |                                 |                                                                     |
| White D.I           |              |               |    | ✓        |    | 18                              |                                                                     |
| *SAMPLES NOT FROZEN |              |               |    |          |    |                                 |                                                                     |
|                     |              |               |    |          |    |                                 |                                                                     |
|                     |              |               |    |          |    |                                 |                                                                     |
|                     |              |               |    |          |    |                                 |                                                                     |
|                     |              |               |    |          |    |                                 |                                                                     |
|                     |              |               |    |          |    |                                 |                                                                     |

If the temperature of a cooler is above 6.0 °C (or greater than 10.0 °C for W-1-4-DIOX) or an evidence seal is damaged then identify the bottles, in the affected cooler(s), on back of form.

## CONTAINER CHECK

Evidence Tape on Bottles Present: Yes \_\_\_\_\_ No ☒ \*If Yes, is it intact: Yes \_\_\_\_\_ No \_\_\_\_\_

### Condition of Containers:

\*Caps on tight? Yes ☒ No \_\_\_\_\_ \*Containers intact? Yes ☒ No \_\_\_\_\_

\*Chain Of Custody/ Field Sheet(s) Included? Yes ☒ No \_\_\_\_\_

\*Acid Preserved Samples: pH ≤ 2 ? Yes \_\_\_\_\_ No \_\_\_\_\_ NA \_\_\_\_\_

\*Base Preserved Samples: pH ≥ 12 or 9? Yes \_\_\_\_\_ No \_\_\_\_\_ NA ☒ SL  
(W-CN, OV-CN - pH ≥ 12), (W-SULFDE-F, W-SULFIDE - pH ≥ 9)

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

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

If yes, place in freezer immediately upon receipt. Date/Time Placed in Freezer: \_\_\_\_\_

Was every sample placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ No \_\_\_\_\_

\*If no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

\*Preserved Samples for W-1-4-DIOX- pH<4? Yes \_\_\_\_\_ No \_\_\_\_\_ NA ☒

\*Samples for W-1-4-DIOX- Samples free of chlorine? Yes \_\_\_\_\_ No \_\_\_\_\_ NA ☒

\*Sample Volume Sufficient: Yes ☒ No \_\_\_\_\_

Coolers Unpacked/Checked by: SL Date: 8-23-13 NCRs (y/n)? N

Event ID: WTRSHD-MGT-2013-08-23-03 NCR # \_\_\_\_\_

## FOR CLEAN LAB USE ONLY – Methyl Mercury Preservation Check:

\*Samples Preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date/Time samples preserved: \_\_\_\_\_

\* If "No" is checked then fill out the back of this form with the details (field ID, test IDs, etc.) and generate an NCR.

## Log-in Checklist

### 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<br>Cap | Damaged<br>Cap |    | Damaged<br>Container |    | Evid. Tape<br>Not Intact |
|----------|-------------------|--------------|----------------|----|----------------------|----|--------------------------|
|          |                   |              | CK             | BR | CK                   | BR |                          |
|          |                   |              |                |    |                      |    |                          |
|          |                   |              |                |    |                      |    |                          |
|          |                   |              |                |    |                      |    |                          |
|          |                   |              |                |    |                      |    |                          |
|          |                   |              |                |    |                      |    |                          |
|          |                   |              |                |    |                      |    |                          |

### Samples With Incorrect pH Preservation

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

### Samples With Insufficient Volume for Analyses

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

**Additional Comments:**

CK - Cracked, BR - Broken