



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATERSHED MONITORING PROGRAM
SAMPLE CUSTODY RECORD

RQ-2013-08-19-37

Shipping Date: 8-27-13

January 2013

SAMPLING AGENCY:		PROJECT:	SAMPLER NAMES:	SHIPPING METHOD: (circle or fill in)	LAB PROJECT CODE
8034		MSFNS	Blair/Eckles	FedEx ☒ Greyhound Hand Delivered by: _____ Other Method: _____	Circle one** GW-TREND GW-STATUS
STATION IDENTIFIER		SAMPLE INFORMATION			PRESERVATION
1	MSFMW-FLD Blank #1 Station ID Station Name	Sample Date: 8-26-13 Sample Time: 13:50 (circle one) ETZ or CTZ Matrix: Water Temp: / °C Sp. Cond: / umhos/cm DO: / % / mg/L pH: / SU Comments: _____			Ice? ☒ N/NA pH acid < 2 SU? ☒ N/NA
2	MSFMW #11 Station ID Station Name	Sample Date: 8-26-13 Sample Time: 14:38 (circle one) ETZ or CTZ Matrix: Water Temp: 23.5 °C Sp. Cond: 515 umhos/cm DO: 65.4 % 5.55 mg/L pH: 6.9 SU Comments: _____			Ice? ☒ N/NA pH acid < 2 SU? ☒ N/NA
3	MSFMW #1 Station ID Station Name	Sample Date: 8-26-13 Sample Time: 15:18 (circle one) ETZ or CTZ Matrix: Water Temp: 23.3 °C Sp. Cond: 233 umhos/cm DO: 76.0 % 6.49 mg/L pH: 8.0 SU Comments: _____			Ice? ☒ N/NA pH acid < 2 SU? ☒ N/NA
4	Station ID Station Name	Sample Date: _____ Sample Time: _____ (circle one) ETZ or CTZ Matrix: Water Temp: _____ °C Sp. Cond: _____ umhos/cm DO: _____ % _____ mg/L pH: _____ SU Comments: _____			Ice? Y/N/NA pH acid < 2 SU? Y/N/NA
5	Station ID Station Name	Sample Date: _____ Sample Time: _____ (circle one) ETZ or CTZ Matrix: Water Temp: _____ °C Sp. Cond: _____ umhos/cm DO: _____ % _____ mg/L pH: _____ SU Comments: _____			Ice? Y/N/NA pH acid < 2 SU? Y/N/NA
6	Station ID Station Name	Sample Date: _____ Sample Time: _____ (circle one) ETZ or CTZ Matrix: Water Temp: _____ °C Sp. Cond: _____ umhos/cm DO: _____ % _____ mg/L pH: _____ SU Comments: _____			Ice? Y/N/NA 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 ₂ SO ₄ vial to pH < 2; chill to ≤6°C
Metals	W-ICP W-ICPMS W-HARD	Al, Ca, K, Na, Mg, Hardness	(1) 500 ml plastic	Unfiltered; HNO ₃ 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 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 ₂ SO ₄ vial to pH < 2; chill to ≤6°C
Metals	W-ICP-F W-ICPMS-F	Al, Ca, K, Na, Mg (ALL FILTERED)	(1) 125 ml plastic	Filtered (.45µm); HNO ₃ 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 ₂ SO ₄ vial to pH < 2; chill to ≤6°C
Metals	W-ICP W-ICPMS W-HARD	Al, As, Ca, Cd, Cr, Cu, Fe, K, Pb, Mg, Mn, Mo, Na, Zn, Hardness	(1) 500 ml plastic	Unfiltered; HNO ₃ 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 Fecal Coliform	(2) Whirlpacks 4 oz	Unfiltered; chill to ≤6°C



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WATERSHED MONITORING PROGRAM

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January 2013

SAMPLING AGENCY:		PROJECT:	SAMPLER NAMES:	SHIPPING METHOD: (circle or fill in)	LAB PROJECT CODE
8034		MSFNS	Blair/Eckles	FedEx ☒ Greyhound Hand Delivered by: _____ Other Method: _____	Circle one** GW-TREND GW-STATUS
STATION IDENTIFIER		SAMPLE INFORMATION			PRESERVATION
1	MSFMW #4 Station ID Station Name	Sample Date: 8-26-13 Sample Time: 16:11 (circle one) ETZ or CTZ Matrix: Water Temp: 24.1 °C Sp. Cond: 304 µmhos/cm DO: 70.6 % 5.91 mg/L pH: 10.0 SU Comments: _____			Ice? ☒ Y/N/NA pH acid <2 SU? ☒ Y/N/NA
2	MSFMW #13 Station ID Station Name	Sample Date: 8-26-13 Sample Time: 17:02 (circle one) ETZ or CTZ Matrix: Water Temp: 23.4 °C Sp. Cond: 446 µmhos/cm DO: 83.2 % 7.07 mg/L pH: 7.0 SU Comments: _____			Ice? ☒ Y/N/NA pH acid <2 SU? ☒ Y/N/NA
3	Station ID Station Name	Sample Date: _____ Sample Time: _____ (circle one) ETZ or CTZ Matrix: Water Temp: _____ °C Sp. Cond: _____ µmhos/cm DO: _____ % _____ mg/L pH: _____ SU Comments: _____			Ice? Y/N/NA pH acid <2 SU? Y/N/NA
4	Station ID Station Name	Sample Date: _____ Sample Time: _____ (circle one) ETZ or CTZ Matrix: Water Temp: _____ °C Sp. Cond: _____ µmhos/cm DO: _____ % _____ mg/L pH: _____ SU Comments: _____			Ice? Y/N/NA pH acid <2 SU? Y/N/NA
5	Station ID Station Name	Sample Date: _____ Sample Time: _____ (circle one) ETZ or CTZ Matrix: Water Temp: _____ °C Sp. Cond: _____ µmhos/cm DO: _____ % _____ mg/L pH: _____ SU Comments: _____			Ice? Y/N/NA pH acid <2 SU? Y/N/NA
6	Station ID Station Name	Sample Date: _____ Sample Time: _____ (circle one) ETZ or CTZ Matrix: Water Temp: _____ °C Sp. Cond: _____ µmhos/cm DO: _____ % _____ mg/L pH: _____ SU Comments: _____			Ice? Y/N/NA 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 ₂ SO ₄ vial to pH < 2; chill to ≤6°C
Metals	W-ICP W-ICPMS W-HARD	B, Ca, K, Na, Mg, Hardness	(1) 500 ml plastic	Unfiltered; HNO ₃ 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 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 (GWTN) 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 ₂ SO ₄ vial to pH < 2; chill to ≤6°C
Metals	W-ICP-F W-ICPMS-F	B, Ca, K, Na, Mg (ALL FILTERED)	(1) 125 ml plastic	Filtered (.45µm); HNO ₃ 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 ₂ SO ₄ vial to pH < 2; chill to ≤6°C
Metals	W-ICP W-ICPMS W-HARD	Al, As, Ca, Cd, Cr, Cu, Fe, K, Pb, Mg, Mn, Mo, Na, Zn, Hardness	(1) 500 ml plastic	Unfiltered; HNO ₃ 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 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:
 Sampling Kit Required: YES Ship on: 16-AUG-2013
 Sampling Kit Shipped: YES On: 14-AUG-2013
 Sampling Kit Packed By: RUSH_F
 Date to Receive Samples: 19-AUG-2013
 Received By: KITCHEN_S On: 23-AUG-2013

Send Final Report To:

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

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

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

* - 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: _____ Date/Time of Receipt: 8-27-13 / 3:25

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		
Blue	4.3		☒	☒		12	
White	2.6		☒	☒		13	

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 ☒
(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: SIC Date: 8-27-13 NCRs (y/n)? N

Event ID: WTRSHD · MGT-2013-08-127-01 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 Cap	Damaged Cap		Damaged Container		Evid. Tape 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