



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
GROUND WATER SAMPLING FIELD LOG SHEET
Watershed Monitoring Section

October 2013

SAMPLING AGENCY: 8034	FLUWID: AAN3416	OWNER: Peter Butt
STATUS RANDOM ID: MSF MW #8	STATION NAME: MSF MW #8	PROJECT: SPRS1418
LAND SURFACE ELEV.(LSE):	CASING MATERIAL: PKC	TOTAL DEPTH: 70'
MEASURING POINT ELEV.(MPE):	CASING DIAMETER: 4"	

All Times Are: ETD or CTZ (circle one) Date/Time On Site: 8/19/14 15:45 Date/Time Off Site: 8/19/14 16:20
Field Sheet Completed By: ME WQ Samples Collected By: PB

POTENTIOMETRIC METHOD

(Stickup is MPE - LSE)

Total Depth - (Depth to Water - Stickup) = Water Column Height (*DTW = N/A if not measurable) Second Reading
70 - (54.07 - 3.62) = 14.55 ft 14.55 ft
DTW - SU = 55.45 (WCH) (WCH)

TAPE / CHALK METHOD

Total Depth - ((Held at - Wetted At) - SU) = Water Column Height

1. _____ - ((_____ - _____) - _____) = _____
2. _____ - ((_____ - _____) - _____) = _____
DTW - SU = _____

PURGE METHOD (Check one):

- ☒ 1) 1.5 well volumes and stability ☐ 2) In-place plumbing purge and stability (continuous and intermittently running wells)
☒ 3) More than 1.5 well volumes and stability ☐ 4) Fully dry purge (not recommended)
☐ 5) Purged 5 or more well volumes without stability (explain in comments) ☐ 6) Other (explain in comments)

MINIMUM PURGE VOLUME DETERMINATION

.041 X Diameter X Diameter X Water Column Height X # Well Purge Volumes = Min. Purge Volume (gal.)

.041 X _____ X _____ X _____ X 1.5 = _____

Water Column Height (WCH) X Gfw (gallons per foot of water) X # Well Purge Volumes = Min. Purge Volume (gal.)

14.55 X 0.65 X 1.5 = 14.19 (gal.)

1 Well Purge Volume: 9.46 (gal.) 1/4 Well Purge Volume: 2.36 (gal.)

Volume of tank (if required to purge): _____ (gal.)

Well Diameter (inches) → Gfw (Gallons per foot of water): 0.75" → 0.02; 1" → 0.04; 1.25" → 0.06; 2" → 0.16; 3" → 0.37; 4" → 0.65; 5" → 1.02; 6" → 1.47; 8" → 2.62; 10" → 4.10; 12" → 5.88

Purge Equipment Used: Redi-flo II #1 Sample Equipment Used: Redi-flo/Tobin/Flowwell
Please include type of pump (peristaltic, submersible, etc.) AND pump ID# (ex. Redi-flo #1, Grundfos #2, etc.)

Minimum Purge Time: (Min. Purge Volume/Purge Rate) 7.09 (min.)

Time Purge Begin: 15:55 (24hr) Time Purge Stop: 16:04 (24hr) Purge Rate: 2 (gal/min)

Total Purge Time: 8 (min.) Total Purge Volume: 16 (gal.)

Time Sampling Begin: 14:06 (24 hr) Time Sampling Stop: 16:08 (24 hr)

PLACE
FLUWID LABEL HERE
(if applicable)

MSF MW #8

PLACE
SITE LABEL HERE

SPRS1418

PLACE QA/QC LABEL HERE
(if applicable)

QA/QC Sample:
(Circle One)

N/A

Field Blank

Equipment Blank

(Field-cleaned)

(Lab-cleaned)

Time (24hr):

Equipment Used:

Collected by:

Well Condition:

Normal

Fuel-Powered Equipment Used?

Yes

No

(Circle One)

Placement Depth of Tubing or Pump Intake:

63'

Drawdown Monitored? (Circle One)

No (N/A)

Yes, no drawdown

Yes, drawdown noticed and corrected for

This is verified by recording depth to water in the Chemical Stability Monitoring section.

Sulfur Odor?: (Circle One)

Yes

No

Color: Clear

Personnel/Visitors On Site:

Eckles / Blair

Weather Conditions:

P. Cloudy

Photos Taken?

Yes

No (indicate why in comments)

(Circle One. Required for all Status sites. Required Annually for Trend Sites.)

Micro Land Use?

Yes

No (indicate why in comments)

(Circle One. Required for all Status sites. Required Annually for Trend Sites.)

PRESERVATION INFORMATION

☐ N/A

(No samples collected; non-quarterly Trend month, etc.)

Were all appropriate samples (including QA/QC blanks) preserved within 15 minutes including the following: wet ice (6°C); nutrient samples with 1 mL sulfuric acid; metal samples with 1 mL nitric acid; ortho-phosphate sample filtered with a .45µm filter; and anion, metal and nutrient samples filtered with a .45µm filter (for Oct. TREND network only)

Yes

No

Were all acidified samples verified that the pH was less than 2 SU?

Yes

No

Preservative Lot #s:

Sulfuric 138305

Nitric

1113100

Preserved By:

ME

(Please describe any variations to this preservation protocol in the comments section below.)

COMMENTS: (Include any variations from normal preservation protocols; ex. adding more than 1 ml acid, unable to monitor depth to water because..., etc.)

CHEMICAL STABILITY MONITORING

Meter ID#

QST 600 X100 #11

Read By:

ME

	Time (24hr.)	Volume Purged (gallons)	Purge Rate (gal/min)	Depth to Water (feet)***	Temp. (°C)	Specific Conductance (µmhos/cm)	DO (%)	DO (mg/L)	pH (SU)	Turbidity (NTU)	Comments
16 1	14:01	10	2	60.19	22.4	243	86.2	7.48	7.1		
16 2	14:03	14.25	2	60.19	22.4	243	86.6	7.46	7.2		
16 3	14:04	16.10	2	60.19	22.4	244	86.7	7.53	7.2		
4											
5											
6											
7											
8											
9											
10											

*** Depth to Water needs to be documented if well diameter allows room for both tubing/pump and potentiometer. Not applicable to wells with in-place plumbing. If not applicable, please write "N/A" for this column.

Sampler Names:

M. A. Eckles

(Please PRINT)

Sampler Signatures:



