



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
GROUND WATER SAMPLING FIELD LOG SHEET

Watershed Monitoring Section

January 2013

SAMPLING AGENCY: 8034 FDEP

FLUWID: AAN3423

OWNER: City of Auburyn

STATUS RANDOM ID: MSFmw13

STATION NAME: MSFmw13

PROJECT: SPRS1310

LAND SURFACE ELEV.(LSE):

CASING MATERIAL: PVC

TOTAL DEPTH: 63

MEASURING POINT ELEV.(MPE):

CASING DIAMETER: 4"

All Times Are: ETZ or CTZ
(circle one)

Date/Time On Site: 9:00 12-18-13

Date/Time Off Site: 12/18/13 10:10

Field Sheet Completed By:

ME1PB

WQ Samples Collected By:

ME

POTENTIOMETRIC METHOD

(Stickup is MPE - LSE)

Total Depth - (Depth to Water - Stickup) = Water Column Height (*DTW = N/A if not measurable) Second Reading
63 - (47.66 - 0.10) = 15.24 ft
DTW - SU = 48.66 - 47.76 (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 Well Capacity X # Well Purge Volumes = Min. Purge Volume (gal.)

15.24 X 0.65 X 1.5 = 14.86 (gal.)

1 Well Purge Volume: 9.91 (gal.)

1/4 Well Purge Volume: 2.48 (gal.)

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

Well Capacity (Gallons per ft): .75" = .02, 1" = .04, 1.25" = .06, 2" = .16, 3" = .37, 4" = .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/Flowcell

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) 14.86 (min.)

Time Purge Begin: 9:35 (24hr)

Time Purge Stop: 9:51 (24hr)

Purge Rate: 1 (gal/min)

Total Purge Time: 16 (min.)

Total Purge Volume: 16 (gal.)

(Purge rate X Total purge Time)

Time Sampling Begin: 9:52 (24 hr)

Time Sampling Stop: 9:57 (24 hr)

AAN3423

PLACE
FLUWID LABEL HERE
(if applicable)

MSFmw13

PLACE
SITE LABEL HERE

PLACE QA/QC LABEL HERE
(if applicable)

MS PRS1310

QA/QC Sample: N/A (Circle One) 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: 53'

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: None

Personnel/Visitors On Site: Eckles / Blair

Weather Conditions: Clear / Brist

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 Preserved By: JB

Preservative Lot #s: Sulfuric 120591 Nitric 113020
(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# <u>PSE 6008104 #11</u>		Read By: <u>ME</u>	
	Time (24hr.)	Volume Purged (gallons)	Purge Rate (gal/min)	Depth to Water (feet)***	Temp. (°C)	Cond. (µmhos/cm)	DO (%)	DO (mg/L)	pH (SU)	Turbidity (NTU)	Comments		
1	9:45	10	1	47.83	22.7	435	178.4	15.37	7.1	N/A			
2	9:48	13	1	"	22.7	434	178.0	15.34	7.1	N/A			
3	9:51	16	1	"	22.7	435	178.1	15.33	7.1	N/A			
4													
5													
6													
7													
8													
9													
10													
Stability Criteria: Temp. ± 0.2°C Specific Conductance ± 5.0% of reading DO ≤ 20% pH ± 0.2 SU Turbidity ≤ 20 NTUs													
If DO > 20% or Turbidity > 20 NTUs then: DO ± 0.2 mg/L or 10%, whichever is greater and Turbidity ± 5 NTUs or 10%, whichever is greater													

*** 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: _____

P. M. Blair
Paul Blair

OFFICE USE ONLY

Reviewed for completion by: _____

Date: _____