

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SPRINGS SAMPLING FIELD SHEET

Entered
2-2-12
5-29-12

RA-2011-08-08-15

on Information

STATION ID: 9673

DATE: 8/11/11
(MM/DD/YYYY)

TIME (EST): 12:54 (24 hr)
(Final field measurements; start of sampling)

SPRING NAME: Blue (Volusia)

VENT ID: _____

WEATHER CONDITIONS (Circle One)

Clear

Partly Cloudy

Cloudy

Rain

Water Quality Measurements

Secchi Depth: 8.5 L (meters) Secchi Visible on Bottom ☒ Yes ☐ No (Circle One)

Stage (if available): _____ (Feet)

Estimated depth in vent from which laboratory samples were collected: 8.5 (meters)

Analytes collected for this site are as listed per the container inventory, including QA/QC samples ☒ Yes ☐ No

Field Measurements (if field measurement result has to be qualified, enter F next to the value below):

Estimated Depth (meters)	Meter Id	Measurement #	pH (s.u.)	D.O. (mg/L)	% D.O.	Temperature (°C)	Conductivity (uS/cm)
8.5	QD03629	5	7.2	0.21	2.5	23.5	2060

Sample Preservation

Is a new 0.45-micron capsule filter used to collect the final metals and nutrients/anions samples? Yes ☐ No ☒ (Circle One)

Are all appropriate samples preserved within 15 minutes? Yes ☐ No ☐

Are total nutrient samples preserved with sulfuric acid? ☒ Yes ☐ No Total volume added 1 (mL) Final pH <2 (s.u.)

Are filtered nutrient samples preserved with sulfuric acid? Yes ☐ No ☐ Total volume added _____ (mL) Final pH _____ (s.u.)

Are total metal samples preserved with nitric acid? ☒ Yes ☐ No Total volume added 1 (mL) Final pH <2 (s.u.)

Are filtered metal samples preserved with nitric acid? Yes ☐ No ☐ Total volume added _____ (mL) Final pH _____ (s.u.)

If additional bottles for the nutrient or metal samples were preserved, note volume of acid added and final pH for each one in the Comments)

Are all appropriate samples, in accordance with the container inventory, put on wet ice at 4°C? ☒ Yes ☐ No

COMMENTS: -H₂SO₄ #106111 exp 6/2/12

-water is spring bowl area + downstream
in spring run very cloudy

-HNO₃ #111070 exp 6/23/12

-Divers in cave

QA/QC TAKEN? NO

TIME COLLECTED _____

(Circle One)

EQUIPMENT BLANK

FIELD BLANK

Blanks collected in accordance with



8/11/11

BLUE SPRING (VOLUSIA)

SPR01107 1ST MAG. SPRING

12:54

Signatures (all team members present):

Laura J.

[Signature]

STATION ID: 9673DATE: 8/11/11TIME (EST): 12:54

CHEMICAL STABILITY MONITORING

#	TIME (00:00)	pH (s.u.)	TEMP. (°C)	SP. COND (uS/cm)	DO (mg/L)	% SAT DO (%)	COMMENTS
1	12:46	7.25	23.50	2060	0.26	3.1	beginning @ 12:36
2	12:48	7.23	23.52	2060	0.25	2.9	
3	12:50	7.22	23.50	2060	0.23	2.7	
4	12:52	7.18	23.47	2060	0.22	2.6	
5	12:54	7.18	23.45	2060	0.21	2.5	
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Meter Id: QD03629Field Measurements Analyzed By: UH (initials)Field Measurements Recorded By: UH (initials)

The final three measurements will be evaluated for each of the field parameters listed above (only the values in mg/L for DO) to ensure that representative measurements have been collected for a site. The lowest and highest values for the three measurements must be within 20% when calculating the relative percent difference (RPD). If these values are not within 20%, the final field measurement value will be qualified as being estimated with an F value qualifier.

$$\text{RPD} = \frac{(\text{Highest Value} - \text{Lowest Value})}{(\text{Mean Value of Highest and Lowest Values})} \times 100\%$$