Entered 4-8-10 MM

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SPRINGS SAMPLING FIELD SHEET

...tion Information

STATION ID: 9710 DATE: 11/4/09 (MM/DD/YYYY) TIME (EST): 16:00 (24 hr) (Final field measurements; start of sampling)

SPRING NAME: Tarpon Hole VENT ID: _____

WEATHER CONDITIONS (Circle One) Clear Partly Cloudy Cloudy Rain

Water Quality Measurements

Secchi Depth: 5.3L (meters) Secchi Visible on Bottom (Yes) No (Circle One)

Stage (if available): _____ (Feet)

Estimated depth in vent from which laboratory samples were collected: 5.3 (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)
5.3	QDO2228-QDO2027	5	7.2	1.84	22.0	23.4	5090

Sample Preservation

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

Were all appropriate samples preserved within 15 minutes? (Yes) No

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

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

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

Were 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)

Were all appropriate samples, in accordance with the container inventory, put on wet ice at 4°C? (Yes) No

COMMENTS:

- H_2SO_4 lot#3108030 exp: 8/6/10
- HNO_3 lot#1108110 exp: 8/4/19

QAQC BLANK 7 SPRG0910 16:10 11/4/09

QA/QC TAKEN? Yes

TIME COLLECTED 16:10

(Circle One)

(EQUIPMENT BLANK)

FIELD BLANK

Blanks collected in accordance with Springs Initiative Monitoring SOP

Samplers Signatures (all team members present):

16:00 TARPON HOLE SPRING SPRG0910 1ST MAG. SPRING 11/4/09

STATION ID: 9710 DATE: 11/4/09 TIME (EST): 16:00

CHEMICAL STABILITY MONITORING

#	TIME (00:00)	pH (s.u.)	TEMP. (°C)	SP. COND (uS/cm)	DO (mg/L)	% SAT DO (%)	COMMENTS
1	15:52	7.24	23.35	5150	1.89	22.7	Began @ 15:43
2	15:54	7.23	23.34	5100	1.88	22.4	
3	15:56	7.24	23.34	5090	1.84	21.9	
4	15:58	7.24	23.33	5140	1.85	22.1	
5	16:00	7.24	23.36	5090	1.84	22.0	
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Meter Id: QD02228-QT02027 Field Measurements Analyzed By: CH (initials)

Field Measurements Recorded By: CH (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.

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