

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SPRINGS SAMPLING FIELD SHEET

Extended
2-1-12
5-17-12

RQ-2011-04-04-33

on Information

STATION ID: 10499

DATE: 4/20/11
(MM/DD/YYYY)

TIME (EST): 17:23 (24 hr)
(Final field measurements; start of sampling)

SPRING NAME: Falmouth

VENT ID:

WEATHER CONDITIONS (Circle One) Clear

Partly Cloudy

Cloudy

Rain

Water Quality Measurements

Secchi Depth: 8.0 (meters) Secchi Visible on Bottom ☒ Yes ☐ No (Circle One)

Stage (if available): out of water (Feet)

Estimated depth in vent from which laboratory samples were collected: 8.0 (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	Measure ment #	pH (s.u.)	D.O. (mg/L)	% D.O.	Temperature (°C)	Conductivity (uS/cm)
8.0	QD03586 QT05429	5	7.3	1.56	17.4	20.6	384

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.)

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: HNO₃ #1110040 exp 11/20
- flow in run barely moving downstream,
water level very low
- unable to get secchi reading off of
large H₂SO₄: #091072 exp 11/8/11

QA/QC TAKEN? Yes ☒

TIME COLLECTED	13:00
(Circle One)	13:00 on 4/21/11
EQUIPMENT BLANK	
FIELD BLANK	
Blanks collected Springs Initials	QA/QC BLANK 2 4/21/11 13:00

mplers Signatures (all team members present):

Laura

No
Label
Used

Place
Barcode
Label
Here

STATION ID: 10499DATE: 4/20/11TIME (EST): 17:23

CHEMICAL STABILITY MONITORING

#	TIME (00:00)	pH (s.u.)	TEMP. (°C)	SP. COND (uS/cm)	DO (mg/L)	% SAT DO (%)	COMMENTS
1	17:15	7.24	20.11	385	1.61	17.8	Began purging @ 17:09
2	17:17	7.24	20.37	381	1.60	17.7	
3	17:19	7.24	20.52	381	1.58	17.6	
4	17:21	7.27	20.45	383	1.58	17.5	
5	17:23	7.27	20.63	384	1.56	17.4	
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

Meter Id: ~~QA-2~~ ^{UH} QD035896 -Field Measurements Analyzed By: UH (initials)Q105429Field 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.

$$\frac{118}{20.54}$$

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