

# **CALIBRATION and Continuing Calibration LOG** (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter ID: QD02228-Q202027 1-6-06 version

Date 8/04/09 Calibration Time (Pre Sample): 12:12 Post Sample Time: 16:50

Circle/Fill In: Lab Calibration or Calibration on Site Yes

Temperature (Monthly)

Date of Last Temperature Verification

Ice Bath: Probe °C NIST °C Warm Bath: Probe °C NIST °C

Pass or Fail  
P F

## **Dissolved Oxygen**

In Calibrate Mode

Initial Reading: 7.56 mg/L @ Temp. 29.64 °C % DO 99.4 (P) F

Calibrated Reading: 7.66 mg/L @ Temp. 29.67 °C % DO 100.9 (P) F

Pre Sample

Initial Calib. Verification: 7.67 mg/L @ Temp. 29.72 °C % DO 100.9 (P) F

Post Sample

Continuing Calib. Verification 7.76 mg/L @ Temp. 28.30 °C % DO 99.5 (P) F

## **Specific Conductance**

|                   | Exp. Date    | Lot #          | Standard    | Initial Reading | Calibrated Reading |       |
|-------------------|--------------|----------------|-------------|-----------------|--------------------|-------|
| In Calibrate Mode | <u>08/09</u> | <u>4808213</u> | <u>1000</u> | <u>1001</u>     | <u>1000</u>        | (P) F |
| Calibration:      |              |                | µmhos/cm    | µmhos/cm        | µmhos/cm           |       |

|                              |              |                |            |            |  |       |
|------------------------------|--------------|----------------|------------|------------|--|-------|
| Pre Sample                   | <u>07/09</u> | <u>2807533</u> | <u>100</u> | <u>105</u> |  | (P) F |
| Initial Calib. Verification: |              |                | µmhos/cm   | µmhos/cm   |  |       |

|                                |              |                |             |             |  |       |
|--------------------------------|--------------|----------------|-------------|-------------|--|-------|
| Post Sample                    | <u>08/09</u> | <u>4808213</u> | <u>1000</u> | <u>1015</u> |  | (P) F |
| Continuing Calib. Verification |              |                | µmhos/cm    | µmhos/cm    |  |       |

## **pH**

| Standard             | Exp. Date    | Lot #         | Initial Reading | Temperature     | Calibrated Reading | Temperature     |       |
|----------------------|--------------|---------------|-----------------|-----------------|--------------------|-----------------|-------|
| Initial Calibration: |              |               |                 |                 |                    |                 |       |
| <u>7.00</u> SU       | <u>01/10</u> | <u>082161</u> | <u>6.96</u> SU  | <u>29.68</u> °C | <u>7.00</u> SU     | <u>29.71</u> °C | (P) F |

|                                   |              |               |                 |                 |  |  |       |
|-----------------------------------|--------------|---------------|-----------------|-----------------|--|--|-------|
| Initial Calibration Verification: |              |               |                 |                 |  |  |       |
| Pre Sample                        | <u>05/10</u> | <u>082707</u> | <u>10.16</u> SU | <u>30.68</u> °C |  |  | (P) F |

|                                      |              |               |                 |                 |  |  |       |
|--------------------------------------|--------------|---------------|-----------------|-----------------|--|--|-------|
| Continuing Calibration Verification: |              |               |                 |                 |  |  |       |
| Post Sample                          | <u>05/10</u> | <u>082707</u> | <u>10.14</u> SU | <u>28.23</u> °C |  |  | (P) F |

## **Maintenance**

Notes:

Specific Conductance Probe Cleaned? Y N

Dissolved Oxygen Membrane Changed? Y N

- Opened new Sp Cond 100 lot # 2807533

exp: 07/09

- Opened new Sp Cond 1000

lot # 4808213 exp 08/09

Acceptance Criteria: (DO ±0.3mg/l) (Specific Conductance ± 5%) (pH ± 0.2SU) (Temperature ±0.2°C) Warm bath Appx. 40°C

- Car buoy cleaned w/ liquinox: 8/3/09

Site ID: SPR MARION Salt

Project: SPR60907

Laura Hester

Print name of person performing calibrations.