

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: 12 YSI 600 XLm

September 2008 GENERAL version

Date 9-3-14 Calibration Time: 7:13 Project Name: SPRG1407

All Times Are: ETZ or CTZ (circle one)

Circle/Fill In: Lab Calibration or Calibration on Site

Temperature (Monthly) Date of Last Temperature Verification 8-25-14

Ice Bath: Probe 11.8 °C NIST 11.9 °C Warm Bath: Probe 41.9 °C NIST 42.0 °C

Pass or Fail
P F

Dissolved Oxygen

In Calibrate Mode

Initial Reading: 8.98 mg/L @ Temp. 21.86 °C % DO 102.4 P F

Calibrated Reading: 8.76 mg/L @ Temp. 21.88 °C % DO 100.0 P F

In Run Mode

Initial Calib. Verification: 8.11 mg/L @ Temp. 26.81 °C % DO 101.5 P F

Specific Conductance

In Calibrate Mode

Calibration:	Exp. Date	Lot #	Standard	Initial Reading	Calibrated Reading
	<u>4/15</u>	<u>140402B</u>	<u>1000</u>	<u>999</u>	<u>1000</u> <u>P</u> F
			μmhos/cm	μmhos/cm	μmhos/cm

In Run Mode

Initial Calib. Verification:	Exp. Date	Lot #	Standard	Initial Reading	Calibrated Reading
	<u>9/14</u>	<u>2304388</u>	<u>100</u>	<u>101</u>	<u>101</u> <u>P</u> F
			μmhos/cm	μmhos/cm	μmhos/cm

pH

Standard	Exp. Date	Lot #	Initial Reading	Temperature	Calibrated Reading	Temperature
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In Calibrate Mode

7.0 SU	<u>4/16</u>	<u>140018</u>	<u>6.97</u>	SU <u>21.91</u> °C	<u>7.00</u>	SU <u>21.90</u> °C <u>P</u> F
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4.0 SU	<u>3/15</u>	<u>131596</u>	<u>3.97</u>	SU <u>21.96</u> °C	<u>3.98</u>	SU <u>21.95</u> °C <u>P</u> F
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10.0 SU	<u>12/15</u>	<u>138049</u>	<u>10.03</u>	SU <u>21.98</u> °C	<u>10.01</u>	SU <u>21.97</u> °C <u>P</u> F
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In Run Mode

Initial Calib. Verification: 7 SU 4/16 140018 7.02 SU 22.07 °C P F

Maintenance: Weekly PH Slope: _____ Specific Conductance Probe Cleaned? Y N
Notes: Dissolved Oxygen Membrane Changed? Y N

7 - 22.3 pHmV
4 - 149.2 pHmV
10 - 194.5 pHmV

Site ID:
Project:

Chris Green
 Print name of person performing calibrations.

Acceptance Criteria: (DO ±0.3mg/l) (Specific Conductance ± 5%) (pH ± 0.2SU) (Temperature ±0.5°C) Warm bath Appx. 40°C
 Record Temperature and pH to 1 decimal place; D.O. to 2 decimal places

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CONTINUING CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID: 12 YSI 600 XLM

September 2008 GENERAL version

Date 9-3-14 Mid-Day Time: _____ End-of-Day Time: 15:59

All Times Are: ETZ or CTZ (circle one)

Temperature (Monthly)

Date of Last Temperature Verification 8-25-14

Ice Bath: Probe 11.8 °C NIST 11.9 °C Warm Bath: Probe 41.9 °C NIST 42.0 °C

Pass or Fail

P F

Dissolved Oxygen In Run Mode

Mid-Day _____ mg/L @ Temp. _____ °C % DO _____ P F

End-of-Day 7.95 mg/L @ Temp. 27.27 °C % DO 100.4 P F

Specific Conductance In Run Mode

Exp. Date Lot # Standard Reading

Mid-Day _____ _____ _____ _____ µmhos/cm µmhos/cm P F

End-of-Day 11/14 2306509 500 500 µmhos/cm µmhos/cm P F

pH In Run Mode

Bracketing Exp. Date Lot # Reading Temperature
Standard

Mid-Day _____ SU _____ _____ _____ SU _____ °C P F

End-of-Day 10 SU 12/15 138049 10.01 SU 24.8 °C P F

Notes:

Site ID:
Project:

Maintenance:

Specific Conductance Probe Cleaned?

Y N

Dissolved Oxygen Membrane Changed:

Y N

Chris Greed
Print name of person performing calibrations.

Acceptance Criteria: (DO ± 0.3 mg/l) (Specific Conductance $\pm 5\%$) (pH ± 0.2 SU) (Temperature ± 0.5 °C) Warm bath Appx. 40 °C
Record Temperature and pH to 1 decimal place; D.O. to 2 decimal places