

CALIBRATION AND VERIFICATION 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: 132237

RQ: 2017-11-06-38

Project: SMP

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

9/27/17

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.										P / F	L / F
ICV										P / F	L / F
CCV	MIKE KING	11/16	0735	21.88	8.761	8.77	99.9		1.013/2	<u>P</u> / F	<u>L</u> / F
CCV	Whitney Bretana	11/16	1617	21.34	8.803	8.80	100.3			<u>P</u> / F	<u>L</u> / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	MM	11/16	0737	KCL 17-4	9/20/18	1413	1413	P / F	<u>L</u> / F
ICV	MM	11/16	0738	2608888	07/20/18	100	99	<u>P</u> / F	<u>L</u> / F
CCV	WB	11/16	1621	2608888	07/20/18	100	99	<u>P</u> / F	<u>L</u> / F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	MR	11/16	0740	2610963	10/20/18	7.0	7.0	-24.7	P / F	<u>L</u> / F
Calibr.	MR	11/16	0741	2611883	10/20/18	4.0	4.0	152.8	P / F	<u>L</u> / F
Calibr.	MR	11/16	0742	2611179	5/20/18	10.0	10.0	-194.8	P / F	<u>L</u> / F
ICV	MR	11/16	0743	2611883	10/20/18	4.0	4.02		<u>P</u> / F	<u>L</u> / F
CCV	WB	11/16	1623	2611883	10/20/18	7.0	7.01		<u>P</u> / F	<u>L</u> / F
CCV				2610963					P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 170.1, slope from 4 to 7 177.5 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification 10/16/17

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	MR	11/16	0800	0.00	0.000	<u>P</u> / F	<u>L</u> / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: