

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

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

Meter ID: 155077

RQ: 2020-08-03-52

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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 6/4/20

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. Hode	8/4/2020	0815	26.8	760.0	8.0	8.01	100.1			P/F	L/F
ICV	J. Hode	8/4/2020	0818	26.6	760.4	8.6	8.05	100.2			P/F	L/F
CCV	J. Hode	8/4/2020	1430	22.4	759.8	8.7	8.67	99.9			P/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

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

Optical: DO gain range 0.85 to 1.15 (Pro-DSS 0.75 to 1.50); DO charge N/A. 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.	J. Hode	8/4/2020	0821	190618B	Jan '20	5000	5000	P/F	L/F
ICV	J. Hode	8/4/2020	0824	200124B	Feb '21	1000	966	P/F	L/F
CCV	J. Hode	8/4/2020	1433	200124A	Feb '21	100	103.1	P/F	L/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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. Hode	8/4/2020	0827	2904B82	Mar '21	7.	25.2	7.00	-35.9	P/F	L/F
Calibr.	J. Hode	8/4/2020	0829	4902J25	Feb '21	4.01	26.6	4.01	143.7	P/F	L/F
Calibr.	J. Hode	8/4/2020	0831	4904E09	Sep '20	10.999	25.8	9.99	206.5	P/F	L/F
ICV	J. Hode	8/4/2020	0832	4902J25	Feb '21	4.01	26.1	3.99	143.1	P/F	L/F
CCV	J. Hode	8/4/2020	1439	2904B8b	Mar '21	7.00	21.8	7.15	-41.5	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU;

mV pH 7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50;

If mV are recorded: slope from 7 to 10 170.6, slope from 4 to 7 179.6 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 6/4/20

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

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	J. Hode	8/4/2020	0834	0.00	0.00	P/F	L/F

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

COMMENTS: