

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

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

Meter ID: 155677

RQ: 2022-06-06-60

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 4/1/22

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.	S. Hode	6/8/22	0712	26.1	760.3	8.1	8.13	100.1		1.113	P/F	L/F
ICV	S. Hode	6/8/22	0714	26.0	760.3	8.1	8.14	100.1			P/F	L/F
CCV	S. Hode	6/8/22	1325	25.3	760.3	8.2	8.50	103.5			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.	S. Hode	6/8/22	0716	210330B	6/1/2022	5000	5000	P/F	L/F
ICV	S. Hode	6/8/22	0718	210525C	6/1/2022	1000	998	P/F	L/F
CCV	S. Hode	6/8/22	1329	210525B	6/1/2022	160	101.9	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.	S. Hode	6/8/2022	0727	213754	6/1/2023	7.01	24.3	7.01	-26.9	P/F	L/F
Calibr.	S. Hode	6/8/2022	0729	215478	07/2023	4.00	24.1	4.00	151.4	P/F	L/F
Calibr.	S. Hode	6/8/2022	0731	205284	10/2022	10.01	24.1	10.01	-203.3	P/F	L/F
ICV	S. Hode	6/8/2022	0733	215478	07/2023	4.00	24.3	4.00	151.6	P/F	L/F
CCV	S. Hode	6/8/2022	1332	213754	06/2023	7.0	21.2	7.00	-29.1	P/F	L/F
CCV										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 10 176.4, slope from 4 to 7 178.3 (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: 4/1/22

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	S. Hode	6/8/2022	0734	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: