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

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

Meter ID: TREND YSI RQ: 2022-08-29-22 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 6/27/22

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. Slade	8/31	0733	23.8	760.5	8.5	8.46	100.0		1.0506	(P) / F	(L) / F
ICV	S. Slade	8/31	0735	23.8	760.6	8.5	8.46	100.0	—		(P) / F	(L) / F
CCV	S. Slade	8/31	1336	28.4	760.0	7.8	7.65	98.4	—		(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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	S. Slade	8/31	0737	210330B	9/2022	5000	5000	(P) F	(L) F
ICV	S. Slade	8/31	0739	220413C	04/2023	1000	989	(P) F	(L) F
CCV	S. Slade	8/31	1339	220413 0	04/2023	100	99.5	(P) F	(L)
CCV								P / F	L

Conductivity Acceptance criteria ± 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. Slade	8/31	0741	213754	04/2023	7.01	23.1	7.01	-410	(P) F	(L) / F
Calibr.	S. Slade	8/31	0743	215478	07/2023	4.00	22.9	4.00	136.5	(P) / F	(L) / F
Calibr.	S. Slade	8/31	0745	205284	10/2022	10.03	22.7	10.03	-218.5	(P) / F	(L) / F
ICV	S. Slade	8/31	0747	215478	07/2023	4.00	22.8	3.98	132.7	(P) / F	(L) / F
CCV	S. Slade	8/31	1343	213754	04/2023	7.00	22.1	7.04		(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 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 177.5, slope from 4 to 7 177.5 (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: 6/29/22
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. Slade	8/31	0748	0.000	0.00	(P) F	(L) F

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

COMMENTS: