

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: SCVD

RQ: 2022-03-14-18

Project: Smp Run

- 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 01/03/2022

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. Yoder	03/28/22	0730	22.1	764	8.8	8.78	100.7	—	1.452	P/F	L/F
ICV	J	↑	0735	22.1	764	8.8	8.79	100.8	—	—	P/F	L/F
CCV	J	↑	1530	24.1	764	8.4	8.54	104.1	—	—	P/F	L/F
CCV						JY	8.54				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.	J. Yoder	03/28/22	0740	2201439	01/24	1000	1000	P/F	L/F
ICV	J	↑	0745	2109687	09/23	100	103.0	P/F	L/F
CCV	J	↑	1535	2109445	08/23	50K	49.698	P/F	L/F
CCV	J	↑	1540	2007074	07/22	500	498.4	P/F	L/F

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.	J. Yoder	03/28/22	0750	213013	04/23	7.02	21.7	7.05	-39.6	P/F	L/F
Calibr.	J	↑	0755	214220	06/23	4.00	21.7	4.02	138.4	P/F	L/F
Calibr.	J	↑	0800	210276	02/23	10.04	21.7	9.99	-212.7	P/F	L/F
ICV	J	↑	0805	210276	02/23	10.02	21.7	10.02	—	P/F	L/F
CCV	J	↑	1545	213013	04/23	7.0	21.7	7.03	—	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 10 179.1, slope from 4 to 7 178 (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: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: #3; Date of last verification: 01/03/2022

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						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: