

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:

Amys

RQ:

2022-01-31-56

Project:

SMP CM

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

01/18/2022

DO DEP SOP RT1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	DO Chart mg/L	Meter D.O. mg/L	%DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Drew L122.24	01/31/22	1016	15.2	761.6	9.85	9.84	100.1	—	1.06	P/F	L/F
ICV	//	//	1018	16.2	761.6	9.85	9.84	100.1	—	1.06	P/F	L/F
CCV	//	//	1540	17.0	759.1	9.16	9.15	100.1	—	1.06	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. EV1200	Name	Date	Time CT-ET	Lot#	Expir. Date	Standard (umhos/cm)	Meter Reading (umhos/cm)	Pass / Fail	Lab / Field
Calibr.	Drew L122.24	01/31/22	1020	110851	08/23	1000	1000	P/F	L/F
ICV	//	//	1022	110557	05/23	100	101.7	P/F	L/F
CCV	//	//	1542	110551	05/23	50,000	49326	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP EK1100	Name	Date	Time CT-ET	Lot#	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Drew L122.24	01/31/22	1024	213013	04/23	7.0	17.4	7.0	-42.5	P/F	L/F
Calibr.	I	I	1026	2107E46	07/23	4.0	17.3	4.0	135.5	P/F	L/F
Calibr.	I	I	1028	1106829	11/22	10.0	17.2	10.0	-112.4	P/F	L/F
ICV	I	I	1030	1106829	11/22	10.0	17.2	10.0	-112.5	P/F	L/F
CCV			1546	2107E46	07/23	4.0	17.2	4.12	128.5	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 -169.9 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: 01/18/2022

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	Drew L122.24	01/31/22	1032	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: