

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: Anya

RQ: 2021-09-06-47

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 07/22/2021

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.	Drew L. 22.1	07/14/21	1000	21.8	756	8.7	8.74	99.7	—	1.06	Ⓟ/F	Ⓟ/F
ICV	11	11	1004	21.8	756	8.7	8.77	99.7	—	1.06	Ⓟ/F	Ⓟ/F
CCV	Drew L. 22.1	11	16.10	22.5	756	8.6	8.51	99.14	—	—	Ⓟ/F	Ⓟ/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.	Drew L. 22.1	07/14/21	1006	1108F51	08/23	1000	1000	Ⓟ/F	Ⓟ/F
ICV	11	11	1008	1102792	01/23	100	99.7	Ⓟ/F	Ⓟ/F
CCV	Drew L. 22.1	11	1618	2009A62	08/22	50K	51231	Ⓟ/F	Ⓟ/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.	Drew L. 22.1	07/14/21	1010	210039	10/23	7.0	22.3	7.01	-27.7	Ⓟ/F	Ⓟ/F
Calibr.	11	11	1012	2104A40	03/23	4.0	22.1	4.01	147.8	Ⓟ/F	Ⓟ/F
Calibr.	11	11	1014	2012C64	06/22	10.0	22.3	10.01	-200.9	Ⓟ/F	Ⓟ/F
ICV	11	11	1016	2012C64	06/22	10.0	22.3	10.01	-200.7	Ⓟ/F	Ⓟ/F
CCV	Drew L. 22.1	11	1620	2104A60	03/23	4.0	22.3	4.03	149.7	Ⓟ/F	Ⓟ/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 -173.2 , slope from 4 to 7 177.7 (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: 07/22/2021

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 L. 22.1	07/14/21	1018	0.00	0.00	Ⓟ/F	Ⓟ/F

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

COMMENTS: