

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

Meter ID: The one

RQ- 2024-03-25-15

Project: SMP Cont. Pick up

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

- Notes: (1) Always wait for meter to stabilize before recording any readings. (See special instructions for depth).
 (2) Report all digits displayed. Do not round before reporting measurements.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 11/17/24

DO FDEP 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.	Monica Jaeger	3/27/24	653	23.5	757.4	8.5	8.47	99.7	—	1.040	(P) F	(L) F
ICV	"	"	655	23.5	757.3	8.5	8.47	99.7	—	—	(P) F	(L) F
CCV	Monica Jaeger	3/27/24	1348	21.1	759.4	7.9	7.97	100.3	—	—	(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 moles/cm	Meter Reading μ moles/cm	Pass Fail	Lab Field
Calibr.	Monica Jaeger	3/27/24	657	2311137	11/25	50000	50000	(P) F	(L) F
ICV	"	"	658	2306021	6/25	100	103.8	(P) F	(L) F
CCV	Monica Jaeger	3/27/24	1350	2311137	11/25	50000	49924	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP 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.	Monica Jaeger	3/27/24	700	230607B	12/24	7.00	24.1	7.01	—	(P) F	(L) F
Calibr.	"	"	702	2309415	8/25	4.00	23.8	4.00	—	(P) F	(L) F
Calibr.	"	"	704	2308048	2/25	10.03	23.9	10.01	—	(P) F	(L) F
ICV	"	"	706	2309415	8/25	4.00	23.8	4.03	—	(P) F	(L) F
CCV	Monica Jaeger	3/27/24	1352	2308048	2/25	10.03	24.1	9.99	—	(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 —, slope from 4 to 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: 11/17/24

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Slippery Disk; Date of last verification: 11/17/24

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	CV 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 $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: