

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

Meter ID: President Camacho

RQ- 2024-03-11-33

Project: SNP Charlotte WBS

Handwritten "X" in box, text: "Handwritten 'X' in box, text: 'qualifying data on this page'"

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 11/7/24

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.	Samantha Gelineas	3/27/24	701	23.9	757.8	8.4	8.42	99.7	—	1.0757	P/F	L/F
ICV			703	23.6	757.9	8.5	8.73	103.0	—	—	P/F	L/F
CCV				29.4	759.5	7.6	SM 03/27/2024				P/F	L/F
CCV	Sarah Meyer	03/27/24	1424	24.2	759.6	8.4	8.76	104.5	—	—	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.	Samantha Gelineas	3/27/24	705	2309J21	9/25	2500	2500	P/F	L/F
ICV			707	2306J21	6/25	100	100.1	P/F	L/F
CCV	Sarah Meyer	03/27/24	1416	2311L37	11/25	50000	50123	P/F	L/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.	Samantha Gelineas	3/27/24	708	230607B	12/24	7.00	23.7	7.01	-89.0	P/F	L/F
Calibr.			710	2309H15	8/25	4.01	23.6	4.00	83.3	P/F	L/F
Calibr.			711	2308P48	2/25	10.02	23.7	10.02	-254.5	P/F	L/F
ICV			712	2309H15	8/25	4.01	23.7	3.94	—	P/F	L/F
CCV	Sarah Meyer	03/27/24	1418	2308P48	02/25	10.02	23.9	10.17	—	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 10 165.5, slope from 4 to 7 172.3 (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: Deep Blue; Date of last verification: 11/7/24

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 $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: