

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: The One

RQ- 2023-07-17-61

Project: Blue Response

- 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 07/17/23

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.	Thomas Baker	07/27/23	0755	22.1	762.4	8.8	8.75	120.3		1.038	P / F	L / F
ICV	Thomas Baker	07/27/23	0758	22.2	762.4	8.8	8.74	100.4			P / F	L / F
CCV	Thomas Baker	07/27/23	1245	26.7	762.8	8.0	8.08	101.1			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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Thomas Baker	07/27/23	0759	2302F67	2/25	2500	2500	P / F	L / F
ICV	Thomas Baker	07/27/23	0802	230217B	2/24	100	102.1	P / F	L / F
CCV	Thomas Baker	07/27/23	1246	2209K36	9/24	50000	48940	P / F	L / F
CCV							48940	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.	Thomas Baker	07/27/23	0804	230217E	8/24	7.02	21.8	7.02		P / F	L / F
Calibr.			0805	2301E22	1/25	4.03	22.0	4.00		P / F	L / F
Calibr.			0807	230607C	12/24	10.04	22.0	10.04		P / F	L / F
ICV	Thomas Baker	07/27/23	0808	2301E22	1/25	4.03	22.1	4.00		P / F	L / F
CCV	Thomas Baker	07/27/23	1249	230607C	12/24	10.04	21.9	9.94		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: _____

If NO, what will be used? (circle one) Secchi-Disk Line / Sonar Unique ID: Slipcase 2023 Date of last verification: 07/27/23

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: