

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: Pro Mone

RQ: 2020-08-24-36

Project: SMP - Chas. Carles

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 6/8/20

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.	Miranda Carroll	8/31/20	0716	24.4	756.6	8.3	8.32	99.5	-	1.04	P/F	L/F
ICV	"	"	0719	24.4	756.6	8.3	8.32	99.4	-	-	P/F	L/F
CCV	BARRINGTON	8/31/20	1212	25.5	757.2	8.2	8.15	99.6	-	-	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.	Miranda Carroll	8/31/20	0724	2912745	11/21	10,000	10,000	P/F	L/F
ICV	"	"	0725	2007617	7/22	1000	990	P/F	L/F
CCV	BARRINGTON	8/31/20	1214	1002A78	2/22	10,000	10048	P/F	L/F
CCV	BARRINGTON	8/31/20	1215	1006706	5/22	100	104.4	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.	Miranda Carroll	8/31/20	0707	200388	2/22	7.00	25.5	7.00	-22.6	P/F	L/F
Calibr.	"	"	0733	200052	2/22	4.01	25.5	4.01	160.4	P/F	L/F
Calibr.	"	"	0731	197662	1/22	10.01	25.3	10.00	-201.9	P/F	L/F
ICV	"	"	0735	200052	2/22	4.01	25.5	4.00	-	P/F	L/F
CCV	BARRINGTON	8/31/20	1216	197602	1/22	10.02	23.7	10.20	-	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 10 178.4, slope from 4 to 7 183.0 (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: 7/7/20

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 33128; Date of last verification: 7/7/20

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: