

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

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

Meter ID:

Bad Larry

RQ:

2021-09-13-17

Project:

Continues Cee

- 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 08/16/21

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.	Gregory Gurr	9/23/21	0754	23.1	758.1	8.6	8.57	99.8		1.050	P/F	L/F
ICV	"	"	0756	22.9	758.2	8.6	8.56	99.7			P/F	L/F
CCV	William Miller	09/28/21	1311	22.9	761.0	8.6	8.67	101.0			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.	Gregory Gurr	9/23/21	0810	1010077	10/22	10000	10000	P/F	L/F
ICV	"	9/23/21	815	4108672	07/23	100	104.6	P/F	L/F
CCV	William Miller	09/28/21	1343	2011943	11/22	50,000	50,118	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.	Gregory Gurr	9/23/21	820	2104575	4/23	7.01	23.1	7.01	-18.4	P/F	L/F
Calibr.	Gregory Gurr	9/23/21	830	2107246	07/23	4.00	23.5	4.02	+60.6	P/F	L/F
Calibr.	"	"	"	1106821	12/22/20	10.02	23.6	10.02	-190.7	P/F	L/F
ICV	Gregory	9/23/21	840	2107246	07/23	4.00	23.5	4.00		P/F	L/F
CCV	William Miller	09/28/21	1347	1106821	12/22	10.02	23.2	10.02		P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 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: 33124; Date of last verification: 08/16/21

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: