

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

Meter ID: Tally 1 (Cero)

RQ: 2019-06-03-05

Project: Cont. Mon.

Boldly "X" this box if there are qualified 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 03/19/2019

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	6/6/19	0724	24.57	760	8.3	8.30	99.9	—	1.03	P/F	Q/F
ICV	"	"	0733	24.67	760	8.3	8.35	100.3	—	—	P/F	Q/F
CCV	M. DUGAN	06/11/19	1612	24.49	760	8.3	8.54	102.4	—	—	P/F	Q/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. **Rapid-Pulse Sensors:** DO Gain Range 0.7 to 1.4; DO Charge Range 25-75. **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	6/6/19	0734	2809050	09/20	10,000	9998	P/F	Q/F
ICV	"	"	0743	2904947	03/21	1,000	1016	P/F	Q/F
CCV	M. DUGAN	06/11/19		2811260	11/20	50,000	49,788	P/F	Q/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.	Miranda Carroll	6/6/19	0759	191304	03/21	7.	24.36	7.00	-16.3	P/F	Q/F
Calibr.	"	"	0810	190072	01/21	4.	24.46	3.98	118.2	P/F	Q/F
Calibr.	"	"	0819	190071	01/21	10.	24.39	10.01	-150.7	P/F	Q/F
ICV	"	"	0821	190072	01/21	4	24.45	4.04	115.5	P/F	Q/F
CCV	M. DUGAN	06/11/19	1835	190071	01/21	10.	23.79	10.09	-184.5	P/F	Q/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

If mV are recorded: slope from 7 to 10 167; slope from 4 to 7 134.5; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

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: 33123

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: