

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: Endy RQ-2021-02-01-63 Project: SMP

- 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

12-11-20

DO	Temp	Baro	D.O.	D.O.	% DO	Probe	Probe	Pass	Lab
FT 1500	°C	meter	Chart	mg/L	mg/L	Charge	Gain		
Name	Date	Time	CT-ET						
Calibr.	8/1	23.7	76.1	8.5	8.46	10.9	10.58	Pass	Field
ICV	11	8.1	23.7	76.1	8.5	10.9	10.58	Pass	Field
CCV	2/4/3	13/0	20.7	76.1	8.9	8.95	9.9	Pass	Field
CCV	2/4/3	13/0	20.7	76.1	8.9	8.95	9.9	Pass	Field

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. Steady-state & galvanic sensors: DO gain & charge N/A.
 Rapid-Pulse Sensors: DO gain range 0.7 to 1.4; DO charge range 25-75.

Conductivity Acceptance criteria $\pm 5\%$

Spec.	Cond.	Name	Date	Time	CT-ET	Lot #	Expir.	Standard	Meter	Reading	Pass	Lab
FT 1200								umhos/cm	umhos/cm			
Calibr.	2/4/2	8/12	1069989	8/22	2500	2493					Pass	Field
ICV	11	8/12	2507674	7/22	100	99.2					Pass	Field
CCV	2/4/2	13/1	1052478	2/22	10,000	9999					Pass	Field
CCV	2/4/2	13/1	1052478	2/22	10,000	9999					Pass	Field

pH	Temp	pH	Buffer	Temp	Meter	Reading	Pass	Lab
FT 1100	°C	SU	SU	°C				
Name	Date	Time	CT-ET	Date	Expir.			
Calibr.	2/4/2	8/18	202114	5/22	7.0	2447.05	21.1	Pass
Calibr.	11	8/20	203325	7/22	4.0	24.0	158.8	Pass
Calibr.	8/24	203334	6/22	10.0	24.0	15.13	196.9	Pass
ICV	8/25	203325	7/22	4.0	24.0	3.93		Pass
CCV	2/4/2	13/12	202414	5/22	7.0	24.1	6.98	Pass
CCV	2/4/2	13/12	202414	5/22	7.0	24.1	6.98	Pass

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $\pm 180 \pm 50$; mV pH 10 Range $\pm 180 \pm 50$
 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: 717120 Date of last verification: 7/17/20

Depth Sensor	Name	Date	Time	Calibrated	Offset, meters	ICV Value, meters	Pass / Fail	Lab / Field
(Daily Calibration & ICV)				Value (0.00 or				
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: