

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: SLIP

RQ: 2019-02-04-70

Project: SLIP

- 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 12/22/18

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.	Gary Smith	2/5/19	0725	26.0	762.2	8.11	8.18	100.3	N/A	1.0207	P/F	L/F
ICV	Gary Smith	3/5/19	0730	25.6	762.2	8.19	8.20	100.2	N/A		P/F	L/F
CCV	Gary Smith	3/5/19	1720	26.6	762.2	8.03	8.05	100.1	N/A		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 umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	Gary Smith	2/5/19	0720	281027	10/20	1000.2	999	P/F	L/F
ICV	Gary Smith	2/5/19	0723	281027	07/20	1001	1001	P/F	L/F
CCV	Gary Smith	3/5/19	1715	2711627	11/19	50,000	49886	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.	Gary Smith	2/5/19	0732	187687	11/20	8.99	25.8	7.00	-12.5	P/F	L/F
Calibr.	Gary Smith	2/5/19	0735	187827	11/20	4.01	25.7	4.00	167.8	P/F	L/F
Calibr.	Gary Smith	2/5/19	0757	186877	10/20	10.01	25.7	10.00	-185.5	P/F	L/F
ICV	Gary Smith	2/5/19	0741	187827	11/20	4.01	25.7	3.97		P/F	L/F
CCV	Gary Smith	3/5/19	1725	186877	10/20	10.01	25.3	10.03		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: 3312/3; Date of last verification: 12/26/2018

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: