

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

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

Meter ID: 5

RQ: 2018-01-22-54

Project: SNP

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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 12/22/18

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Gary Smith	1/22/18	0728	25.3	8.2	8.2	100	63.5	0.83	☒ F	☒ F
ICV	Gary Smith	1/22/18	0738	24.3	8.4	8.5	101	63.5		☒ F	☒ F
CCV	Steve Cofar	1/22/18	1435	23.5	8.5	8.6	102	63.5		☒ F	☒ F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; 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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Gary Smith	1/22/18	0740	171211C	12/18	1000	1000	☒ F	☒ F
ICV	Gary Smith	1/22/18	0743	170828	09/18	100	98	☒ F	☒ F
CCV	Steve Cofar	1/22/18	1440	171211C	02/18	1000	999	☒ F	☒ 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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Gary Smith	1/22/18	0745	176157	8/19	7.0	7.0	-42	☒ F	☒ F
Calibr.	Gary Smith	1/22/18	0750	176044	8/19	4.0	4.0	135.6	☒ F	☒ F
Calibr.	Gary Smith	1/22/18	0752	172962	9/19	10.0	10.0	-214.7	☒ F	☒ F
ICV	Gary Smith	1/22/18	0755	176044	8/19	4.0	4.0	135.2	☒ F	☒ F
CCV	Steve Cofar	1/22/18	1442	172962	4/19	10.0	10.1	-221	☒ F	☒ 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 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

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: