

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: KEYS

RQ: 2018-6-18-58

Project: SMP MANUEL

- 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 3/22/18

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.	JOHN BARRINGTON	6/11/18	1035	23.65	8.48	8.47	100.0	—	—	(P/F)	(L/F)
ICV	↓	↓	1037	23.64	8.48	8.46	99.8	—	—	(P/F)	(L/F)
CCV	↓	6/19/18	1440	25.1	8.20	8.28	100.5	—	—	(P/F)	(L/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.	JOHN BARRINGTON	6/11/18	1039	180321A	4/19	500	500	(P/F)	(L/F)
ICV	↓	↓	1041	171213	12/18	100	101	(P/F)	(L/F)
CCV	Grady Shreck	6/19/18	1435	180321B	6/19	1000	989	(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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	JOHN BARRINGTON	6/11/18	1043	177435	10/19	7.0	7.00	—	(P/F)	(L/F)
Calibr.	↓	↓	1045	180710	2/20	4.0	4.00	—	(P/F)	(L/F)
Calibr.	↓	↓	1048	178540	12/19	10.0	10.01	—	(P/F)	(L/F)
ICV	↓	↓	1051	180710	2/20	4.0	4.03	—	(P/F)	(L/F)
CCV			1435	178540	12/19	10.0	9.98	—	(P/F)	(L/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: