

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:

K245

RQ-

2018-

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.

Circle/Fill in: ☒ Lab Calibration or ☐ Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

2/22/18

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	4/23/18	720	22.84	8.61	8.61	100	28.8	1.34	P/F	L/F
ICV	"	"	722	22.77	8.61	7.65	100	28.8		P/F	L/F
CCV	Gary Smith	4/23/18	1400	24.2	8.38	8.39	100	28.2		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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Gary Smith	4/23/18	725	180321B	4/19	1000	100.0	P/F	L/F
ICV	"	4/23/18	726	171211B	12/18	100	103	P/F	L/F
CCV	Gary Smith	4/23/18	1405	180341B	04/19	1000	998	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.	Gary Smith	4/23/18	730	177435	10/19	7.0	7.0	-26.0	P/F	L/F
Calibr.	"	"	732	177754	10/19	4.0	4.0	142.3	P/F	L/F
Calibr.	"	"	735	177208	10/19	10.0	10.0	-200.4	P/F	L/F
ICV	"	"	737	177759	10/19	4.0	3.97	148.8	P/F	L/F
CCV	Gary Smith	4/23/18	1408	177758	10/19	10.0	9.98	-178.6	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: