

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 name.

Meter ID: YSI 77

RQ: 2018-06-18-38

Project: Solite

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 04-10-18

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.	P.O'Connor	06-21-18	0715	24.2	8.38	8.38	100.0	1.03264	1.03264	P/F	L/F
ICV	✓	✓	0720	24.2	8.38	8.38	100.0	—	1.03264	P/F	L/F
CCV	A. Kalmbacher	6-21-18	1550	25.7	7.73	7.79	100.8	—	—	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; 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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	P.O'Connor	06-21-18	0722	180321B	04-2019	1000	1000	P/F	L/F
ICV	✓	✓	0725	180321A	04-2019	100	105	P/F	L/F
CCV	A. Kalmbacher	6-21-18	1558	180321B	4-2019	1000	1015	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.	P.O'Connor	06-21-18	0728	2803E45	03-2020	7.0	7.00	-16.4	P/F	L/F
Calibr.			0731	2711517	10-2019	4.0	4.00	156.0	P/F	L/F
Calibr.			0735	2711527	04-2019	10.0	9.99	-184.6	P/F	L/F
ICV	✓	✓	0738	2803E45	03-2020	7.0	7.03	-16.5	P/F	L/F
CCV	A. Kalmbacher	6-21-18	1555	2711517	10/2019	4.0	3.90	161.8	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 04-10-2018

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:

QC/Scanned BT 7/9/15 JP 6/25/18