

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

Meter ID: YSI 71

RQ: 2018-04-23-10

Project: SW SCI'S

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

- 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 11/2018

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.	J Parnish	5/7/18	740	23.3	8.53	8.53	100	—	—	P/F	L/F
ICV	J	7	742	23.3	8.53	8.53	100	—	—	P/F	L/F
CCV	J Parnish	5/7/18	1503	25.2	8.23	8.23	100	—	—	P/F	L/F
CCV	J	7								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.	J Parnish	5/7/18	743	180321B	4/19	1000	1000	P/F	L/F
ICV	J	7	745	1970318	9/18	147	151	P/F	L/F
CCV	J Parnish	5/7/18	1504	180321B	4/19	1000	999	P/F	L/F
CCV	J	7	1505	180321B	4/19	1000	999	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.	J Parnish	5/7/18	748	2711881	14/19	7.0	7.0	9.9	P/F	L/F
Calibr.	J	7	748	2211517	10/19	4.0	4.0	159.1	P/F	L/F
Calibr.	J	7	749	2711527	4/19	10.0	10.0	126.5	P/F	L/F
ICV	J	7	750	2211517	10/19	4.0	4.03		P/F	L/F
CCV	J	7	1507	2711527	10/19	10.0	10.08		P/F	L/F
CCV	J	7							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	J Parnish	5/7/18	759	0.0	0.0	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 BP 5/14/18 J 5/14/18