

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: YSI PRO DSS

RQ: 2018-08-13-21

Project: LSJRWEST 2

- 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 7/2018

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	8/15/18	718	22.7	8.63	8.63	100	—	—	☒ F	L / F
ICV	J	J	719	22.9	8.60	8.60	100	—	—	☒ F	L / F
CCV	B = P =	8/15/18	1213	22.7	8.63	8.62	99.9	✓	✓	☒ F ☒ L	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.	J Parnish	8/15/18	723	180711A	7/19	1000	1000	☒ F	L / F
ICV	J	J	725	1470718	12/18	147	149	☒ F	L / F
CCV	B = P =	8/15/18	1215	180711A	7/19	1000	999	☒ F ☒ L	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.	J Parnish	8/15/18	726	2813E45	3/20	7.0	7.01	—	☒ F	L / F
Calibr.	J	J	727	2803038	3/20	4.0	4.01	163	☒ F	L / F
Calibr.	J	J	728	2711527	4/19	10.0	10.01	252	☒ F	L / F
ICV	J	J	729	2803038	3/20	4.0	4.01	161.7	☒ F	L / F
CCV	B = P =	8/15/18	1217	2711527	4/19	10.0	10.05	-1918	☒ F ☒ L	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	J Parnish	8/15/18	730	0.0	0.0	☒ 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:

LD QC/Scanned 8/20/18 JP 8/16/18