

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

Boldly "X" this box if there are qualified data on this page.

Meter ID: ProDSS Desi

RQ: 2020-02-03-26

Project: LSJR South West

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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	AKalmbacher	02-04-20	0810	21.5	765.6	8.9	8.86	100.7			P / F	L / F
ICV			0813	21.7	765.6	8.9	8.85	100.6			(P) / F	(L) / F
CCV	AKalmbacher	02-04-20	1410	20.8	765.6	9.0	9.01	100.8			(P) / F	(L) / F
CCV				AK	762.7						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 (Pro DSS 0.75 to 1.50); 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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	AKalmbacher	02-04-20	0815	191018	10/2020	1,000	1,000	P / F	L / F
ICV			0818	190711A	07/2020	100	103.6	(P) / F	(L) / F
CCV	AKalmbacher		1415	191018	10/2020	1,000	1,000	(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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	AKalmbacher	02-04-20	0830	2902778	01/2021	7.	23.2	7.01	-37.1	P / F	L / F
Calibr.			0834	2907D62	7/2021	4.	23.0	4.00	144.6	P / F	L / F
Calibr.			0837	2904E91	10/2020	10.	23.1	10.02	208.1	P / F	L / F
ICV			0840	2902778	01/2021	7.0	22.9	7.06	-36.2	(P) / F	(L) / F
CCV	AKalmbacher		1420	2907D62	7/2021	4.0	24.1	4.04	141.8	(P) / F	(L) / F
CCV			1423	2904E91	10/2020	10.0	23.8	10.00	209.2	(P) / F	(L) / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 50;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 10/23/19

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last 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: