

06 6 **CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)**

Meter ID:

YSI #3

RQ:

2019-06-17-09

Project:

BMAP 1

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

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.	B-V-	6/18/19	803	23.9	760	8.4	8.43	99.9	/	/	(P) F (L) F	
ICV			805	24.0	760	8.4	8.43	100	/	/	(P) F (L) F	
CCV	AKalmbacher	6-18-19	1530	25.2	760	8.2	8.32	101.0	—	—	(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 (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 mos/cm	Meter Reading μ mos/cm	Pass/Fail	Lab/Field
Calibr.	B-V-	6/18/19	811	1904304	5/20	1000	1000	(P) F (L) F	
ICV			812	147430	12/19	147	152	(P) F (L) F	
CCV	AKalmbacher	6-18-19	1533	0424820	6/2020	24.820	24.782	(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.	B-V-	6/18/19	817	2904C54	3/21	7.0	25.2	7.0	-33.0	(P) F (L) F	
Calibr.			820	2904B00	3/21	4.0	24.8	4.0	143.1	(P) F (L) F	
Calibr.			823	2901B51	7/20	10.0	24.7	9.99	-206.3	(P) F (L) F	
ICV			825	2904C54	3/21	7.0	25.2	7.01	-32.5	(P) F (L) F	
CCV	AKalmbacher	6-18-19	1535	2901B51	7/2020	10.0	24.4	9.99	-206.1	(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)

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: _____

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	B-V-	6/18/19	829	0.00	0.00	(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: