

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: DEP 154161

RQ: 2018-07-16-21

Project: BMAP 1

- 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 07-12-18

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	07-18-18	0640	23.9	8.43	8.43	100.0	—	— *	(P) F	(L) F
ICV	L	V	0643	23.9	8.43	8.43	100.0	—	— *	(P) F	(L) F
CCV	B Davis	7/18/18	1256	24.0	8.41	8.49	100.8	—	—	(P) F	(L) F
CCV										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.	P O'Connor	07-18-18	0645	180321B	04-2019	1000	1000	(P) F	L / F
ICV	L	L	0652	180321A	04-2019	100	101.5	(P) F	(L) F
CCV	B Davis	7/18/18	1302	180711A	7/19	1000	1004	(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	07-18-18	0655	2803E45	03-2020	7.0	7.00	-7.7	(P) F	(L) F
Calibr.			0710	2803D38	03-2020	4.0	4.00	172.5	(P) F	(L) F
Calibr.			0715	2711527	04-2019	10.0	9.99	-180.1	(P) F	(L) F
ICV			0717	2803E45	03-2020	7.0	7.07	-9.0	(P) F	(L) F
CCV	B Davis	7/18/18	1305	2711527	4/19	10.0	10.07	-184.2	(P) F	(L) F
CCV									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)

Is meter equipped with depth sensor? Yes No If yes, list date of last quarterly depth verification 07-12-18

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: * Key board would not allow escape to ADVANCED MENU.

B/D Scanned/QC 8/1/18 JP 7/20/18