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: My Boy Blue RQ- 2021-09-13-51 Project: SMP; Continuous

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 08/16/21

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.	William Muller	09/16/21	0720	23.33	759.5	8.5	8.50	99.7		1.061	(P) / F	(L) / F
ICV	William Muller	09/16/21	0723	23.31	759.5	8.5	8.53	100.0			(P) / F	(L) / F
CCV	William Muller	09/21/21	1320	27.61	761.4	7.9	8.05	102.1			(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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	William Muller	09/16/21	0724	2011243	11/22	50,000	50,000	(P) / F	(L) / F
ICV	William Muller	09/16/21	0730	1009989	08/22	2500	2570	(P) / F	(L) / F
~~CCV~~	~~William Muller~~	~~09/21/21~~	~~1322~~	~~1010077~~	~~10/22~~	~~10,000~~		P / F	L / F
CCV	William Muller	09/21/21	1325	1009989	08/22	50,000	50,120	(P) / F	(L) / F

Conductivity Acceptance criteria ± 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.	William Muller	09/16/21	0734	2104375	04/23	7.00	23.8	7.00		(P) / F	(L) / F
Calibr.	William Muller	09/16/21	0739	2107246	07/23	4.01	23.6	4.01		(P) / F	(L) / F
Calibr.	William Muller	09/16/21	0742	1106221	12/22	10.02	23.5	10.02		(P) / F	(L) / F
ICV	William Muller	09/16/21	0746	2107246	07/23	4.01	23.49	3.99		(P) / F	(L) / F
CCV	William Muller	09/21/21	1339	1106221	12/22	10.02	27.61	10.05		(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 ± 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						P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: