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: PRO MOVE RQ- 2020-12-21-31 Project: SMP

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 10/27/20

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.	Chris Hermuth	12/21/20	0848	24.2	759.6	8.4	8.40	99.9		1.05	(P) / F	(L) / F
ICV	↓		0851	23.9	759.6	8.4	8.43	100.0			(P) / F	(L) / F
CCV			1603	23.7	758.7	8.5	8.45	99.8			(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.	Chris Hermuth	12/21/20	0830	1009989	08/22	2500	2500	(P) F	(L) / F
ICV	↓		0833	2007676	07/22	100	97.0	(P) F	(L) / F
CCV			1557	1009989	08/22	2500	2462	(P) F	(L) / F
CCV								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.	Chris Hermuth	12/21/20	0836	202114	05/22	7.000	23.8	7.01	-68.0	(P) F	(L) / F
Calibr.	↓		0839	203325	07/22	4.008	23.9	4.00	165.7	(P) F	(L) / F
Calibr.			0842	203539	06/22	10.023	23.9	10.01	-240.9	(P) F	(L) / F
ICV			0845	203325	07/22	4.008	23.8	4.00		(P) F	(L) / F
CCV			1600	203539	06/22	10.023	23.7	10.04		(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 10 172.9, slope from 4 to 7 173.7 (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: DEEP BLUE ; Date of last verification: 7/7/20

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: