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

Meter ID: SNEK RQ- 2020-10-12-22 Project: SMP Joshua

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 06/08/20

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	10/15	0808	24.0	756.3	8.4	8.37	99.5		1.29	P / F	L / F
ICV	↓		0811	24.2	756.2	8.4	8.34	99.4			P / F	L / F
CCV	"	"	1221	24.9	756.6	8.2	8.42	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.	Chris Hermuth	10/15	0750	1003A23 ~~2500 CH~~	02/22	2500	2500	P / F	L / F
ICV	↓		0753	~~100 CH~~ 1006706	05/22	100	104.0	P / F	L / F
CCV	"	"						P / F	L / F
CCV	"	"	1215	1003A23	02/22	2500	2493	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	10/15	0756	202114	05/22	7.000	23.5	7.01	-0.2	P / F	L / F
Calibr.	↓		0759	200052	02/22	4.008	23.6	3.99	176.7	P / F	L / F
Calibr.	↓		0802	197602	01/22	10.023	23.7	10.02	177.0	P / F	L / F
ICV	↓		0805	200052	02/22	4.008	23.6	3.95		P / F	L / F
CCV	"	"	1218	197602	01/22	10.033	23.2	10.01		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 10 176.8, slope from 4 to 7 176.5 (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: 33128; Date of last verification: 07/07/20

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
						P / F	L / F
Pressure mode in air							

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

COMMENTS: