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: Snake RQ- 2021-03-22-44 Project: SMP Chattahoochee

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 2/11/22

DO DEP SOP FT 1500	Name	Date	Time (24hr)	Temp °C	Baro-meter mmHg	DO conc mg/L	Meter DO mg/L	% DO	Probe Charge	Probe Gain	Pass	Fail
Calibr.	Kirby Mole	3/23/21	7:14	23.1	757.2	8.5	8.52	100.0		1.278	P/F	L/F
ICV	"	"	7:16	23.1	757.2	8.5	8.53	99.7			P/F	L/F
CCV	Kirby Mole	3/23/21	1646	26.1	756.0	8.4	8.04	111.0			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 (24hr)	Lot #	Exp. Date	Standard Value (µS/cm)	Meter Reading	Pass	Fail
Calibr.	Kirby Mole	3/23/21	7:17	2012077	12/22	50,000	48,814	P/F	L/F
ICV	"	"	7:19	1001989	8/22	2511	2519	P/F	L/F
CCV	Kirby Mole	3/23/21	1650	2012077	12/22	50,000	48950	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time (24hr)	Lot #	Exp. Date	pH Buffer	Temp °C	Meter Reading	mV	Pass	Fail
Calibr.	Kirby Mole	3/23/21	725	2012982	11/22	7.	23.8	7.05	-28.6	P/F	L/F
Calibr.	"	"	729	2011891	10/22	4.	23.9	3.97	152.1	P/F	L/F
Calibr.	"	"	732	2010E79	4/22	10.	23.5	9.94	-201.2	P/F	L/F
ICV	"	"	734	2011891	10/22	4.0	23.6	3.99		P/F	L/F
CCV	Kirby Mole	3/23/21	1654	2012982	11/22	7.0	23.5	7.11		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: 331283; Date of last verification: 2/11/21

Depth Sensor Daily Calibration & ICV	Name	Date	Time (24hr)	Calibrated Value (Actual Depth)	Meter Reading	Pass	Fail
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:

Form effective August 1, 2018