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: Mr Boy Blue RQ- ~~2022-05-01-70~~ 2022-05-15-53 Project: SMP: Cont. Hatchett

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 07/13/22

DO DEP SOP FT 1500	Name	Date	Time (24-hr ET)	Temp °C	Barom. meter mmHg	DO Conc. mg/L	Meter DO mg/L	% DO	Probe Charge	Probe SEC	Pass	Lab
Calibr.	William Muller	08/02/22	0758	26.5	763.4	8.1	8.10	100.7		1.3377	(P) / F	(L) / F
ICV	William Muller	08/02/22	0811	26.5	763.6	8.1	8.17	101.7			(P) / F	(L) / F
CCV	William Muller	08/17/22	1502	23.2	759.9	8.5	9.96	116.6			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 1600	Name	Date	Time (24-hr ET)	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading	Pass	Lab
Calibr.	William Muller	08/02/22	0714	220309	03/23	50,000	50,000	(P) / F	(L) / F
ICV	William Muller	08/02/22		1107981	07/23	10,000	10,020	(P) / F	(L) / F
CCV	Gary Smith	08/17/22	1429	2204D20	4/24	100	98.1	(P) / F	(L) / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1600	Name	Date	Time (24-hr ET)	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter Reading SU	mV	Pass	Lab
Calibr.	William Muller	08/02/22	0720	2202G37	02/24	7.00	23.4	7.00	-42.8	(P) / F	(L) / F
Calibr.	William Muller	08/02/22	0728	2203G24	03/24	4.01	22.9	4.01	136.9	(P) / F	(L) / F
Calibr.	William Muller	08/02/22	0733	2202A65	07/23	10.03	22.8	10.03	-212.5	(P) / F	(L) / F
ICV	William Muller	08/02/22	0737	2203G24	03/24	4.01	22.8	4.00		(P) / F	(L) / F
CCV	Gary Smith	8/17/22	0733	2202A65	7/23	10.0	23.5	9.96		(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 10 169.7, slope from 4 to 7 179.7 (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: 3312B; Date of last verification: 02/24/22

Depth Sensor Daily Calibration & ICV	Name	Date	Time (24-hr ET)	Calibrated Value (0.00 or Offset) meters	ICV Value meters	Pass	Lab
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: J Qualify DO

Form effective August 1, 2018