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

SMP

Boldly "X" this box if there are qualified data on this page

Meter ID: WMD RQ- 2019-10-28-19 Project: ~~Stony Hooker Dep~~ KP

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 8/12/14

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.	K. Panzner	10/24	0841	23.9	762.6	8.4	8.46	100.3	—	1.1558	P / F	L / F
ICV	"	"	0843	24.0	762.7	8.4	8.48	100.6	—	—	P / F	L / F
CCV	"	"	1400	28.2	761.3	7.8	8.41	107.7	—	—	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.	K. Panzner	10/24	0847	2907D90	07/21	50000	50000	P / F	L / F
ICV	"	"	0849	2809F37	09/20	20000	19790	P / F	L / F
CCV	"	"	M03	2907D90	07/21	50000	50133	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.	K. Panzner	10/24	0851	192113	04/21	7.01	23.7	7.01	-52	P / F	L / F
Calibr.	"	"	0852	192462	05/21	4.00	23.8	4.00	122	P / F	L / F
Calibr.	"	"	0854	191040	03/21	10.01	23.8	10.01	-230	P / F	L / F
ICV	"	"	0855	191040	03/21	10.00	23.8	10.03	—	P / F	L / F
CCV	"	"	1406	192113	04/21	7.00	24.3	7.14	—	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: 8/12/19

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: