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

Boldly "X" [illegible] are quality control data on this form.

Meter ID: SNEAK RQ- 2019-02-04-64 Project: MYAKKA STREAM

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 12/26/2018

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.	M.DUGAN	02/07/19	1727	24.8	764.8	8.35	8.36	100.8		1.08	(P)/F	(L)/F
ICV	"	"	0728	24.8	764.8	8.35	8.38	100.9			(P)/F	(L)/F
CCV	N. Reistad	02/07/19	~~1445~~ NA	23.9	764.8	8.49	9.02	107.0			P/(F)	(L)/F
CCV			1721								P/F	L/F

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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.	M.DUGAN	02/07/19	0722	2810C27	10/20	1000	1000	(P)/F	(L)/F
ICV	"	"	0725	2808884	07/20	100	100	(P)/F	(L)/F
CCV	"	"	1420	2711C27	11/19	50,000	49746	(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.	M.DUGAN	02/07/19	0732	185764	08/20	6.997	24.9	7.00	-5.1	(P)/F	(L)/F
Calibr.	"	"	0735	185488	08/20	4.010	25.4	4.01	173.6	(P)/F	(L)/F
Calibr.	"	"	0737	185490	09/20	10.013	25.3	10.01	-179.9	(P)/F	(L)/F
ICV	"	"	~~0742~~ 1442	185490	09/20	10.013	25.3	9.98		(P)/F	(L)/F
CCV			1442	185764	08/20	6.997	24.8	6.96		(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 _____, 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: BS3312B ; Date of last verification: 12/26/18

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: