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: KEYS RQ-2019-04-01-54 Project: LEE

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 03/19/19

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Barometer mmHg	DO Chart mg/L	Meter DO mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	M.DUGAN	04/03/19	0819	24.7	760	8.31	8.32	100.1	55.3	1.16168	(P)/F	(L)/F
ICV	"	"	0821	24.5	760	8.34	8.35	100.1	56.3		(P)/F	(L)/F
CCV	"	"	1442	24.6	760	8.32	8.43	101.3	56.3		(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.	M.DUGAN	04/03/19	0815	2808890	08/20	1000	1000	(P)/F	(L)/F
ICV	"	"	0817	2812A65	12/20	100	102	(P)/F	(L)/F
CCV	"	"	1440	2810C41	10/20	500	498	(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	04/03/19	0824	187681	11/20	7.997	25.0	7.00	-14.9	(P)/F	(L)/F
Calibr.	"	"	0826	187188	11/20	4.010	25.1	4.00	158.4	(P)/F	(L)/F
Calibr.	"	"	0827	186877	10/20	10.013	25.1	10.00	-165.2	(P)/F	(L)/F
ICV	"	"	0828	186877	10/20	10.013	25.0	9.97	-184.2	(P)/F	(L)/F
CCV	"	"	1444	~~187681~~ MD	~~11/20~~					P/F	L/F
CCV				187188	11/20	4.010	24.8	3.88	164.9	(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 10 170.8, slope from 4 to 7 173.3 (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: Depth Blue 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: