

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:

1245

RQ:

2019 - -

Project:

SARA

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

12/26/18

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.	S. CORCORAN	1/29/19	0659	24.50	760	8.34	8.34	100.1	45.1		P/F	L/F
ICV	"	"	0745	24.17	760	8.40	8.42	100.2	45.1		P/F	L/F
CCV	Gary Smith	1/29/19	1518	24.40	760	8.36	8.50	101.7	45.1		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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	S. CORCORAN	1/29/19	0654	2814027	10/20	1000	1000	P/F	L/F
ICV	"	"	0655	280884	07/20	100	101	P/F	L/F
CCV	Gary Smith	1/29/19	1515	1805223	06/19	10,000	9989	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

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.	S. CORCORAN	1/29/19	0710	185704	8/20	6.997	24.87	7.00	-13.0	P/F	L/F
Calibr.	"	"	0712	185488	2/20	4.00	24.85	4.00	153.1	P/F	L/F
Calibr.	"	"	0715	185488	8/20	10.013	24.90	10.00	-77.1	P/F	L/F
ICV	"	"	0718	185488	8/20	4.00	24.85	4.00	-13.0	P/F	L/F
CCV	Gary Smith	1/29/19	1521	185490	09/20	10.01	25.68	10.14	-188.1	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 $+180 \pm 50$;

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: Secchi

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: DEEPA BURE 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 $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: