

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

Boldly "X" this box if there is qualified data on this page.

Meter ID: LIL SON

RO: 2018-05-28-09

Project: SMD

- 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 5/29/18

DO	Name	Date	Time	Temp	D.O.	Meter	%DO	Probe	Probe	Pass	Lab
FDEP SOP			CT-ET		Chart	D.O.		Charge	Gain	/	/
FT 1500					mg/L	mg/L				Fail	Field
Calibr.	J. Azhar	5/29/18	0730	22.09	8.73	8.73	100	57.4	0.93	P/F	L/F
ICV				22.22	8.71	8.73	99.5			P/F	L/F
CCV			1535	22.7	8.62	8.68	100.5			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; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec.	Name	Date	Time	Lot #	Expir.	Standard	Meter	Pass	Lab
Cond.			CT-ET		Date	μ mhos/cm	Reading	/	/
FT 1200							μ mhos/cm	Fail	Field
Calibr.	J. Azhar	5/29/18	0738	2211403	10/19	1000	1000	P/F	L/F
ICV						1000		P/F	L/F
CCV			1539	2705234	5/19	50000	51660	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Lot #	Expir.	pH	Meter	mV	Pass	Lab
FDEP SOP			CT-ET		Date	Buffer	reading		/	/
FT 1100						SU	SU		Fail	Field
Calibr.	J. Azhar	5/29/18	0737	177435	10/19	7.0	7.00	-28.0	P/F	L/F
Calibr.			0739	177759	10/20	4.0	4.0	148	P/F	L/F
Calibr.			0741	173784	5/19	10.0	10.0	-225	P/F	L/F
ICV			0744	173794	5/19	10.0	9.97	-203	P/F	L/F
CCV			1543	177759	10/20	4.0	4.0	147	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)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor	Name	Date	Time	Calibrated	ICV Value	Pass /	Lab /
(Daily Calibration & ICV)			CT-ET	Value (0.00 or Offset), meters	meters	Fail	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: