

Remember to Calibrate in Lab

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

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

Meter ID: 5 RQ- 2817 Project: SMP

- 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 9/28/17

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	STWZ CAFARZ	11/1/17	0700	23.4	8.5	8.5	100	60		P/F	L/F
ICV	"	"	0701	23.2	8.5	8.5	100	60		P/F	L/F
CCV	STWZ CAFARZ	11/1/17	1332	23.9	8.4	8.3	98	59		P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	STWZ CAFARZ	11/1/17	0702	170728A	8/18	1000	1000	P/F	L/F
ICV	"	"	0703	170728B	8/18	500	501	P/F	L/F
CCV	STWZ CAFARZ	11/1/17	1335	2706591	5/19	50,000	49,500	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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	STWZ CAFARZ	11/1/17	0705	173426	5/19	7.0	6.9	45	P/F	L/F
Calibr.	"	"	0706	173425	5/19	4.0	4.0	131	P/F	L/F
Calibr.	"	"	0709	172902	4/19	10.0	10.0	-224	P/F	L/F
ICV	"	"	0711	172902	4/19	10.0	9.9	-223	P/F	L/F
CCV	STWZ CAFARZ	11/1/17	1340	173426	5/19	7.0	7.0	-46	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 (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: