

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 name.

Meter ID: Exo3 RQ- Project: SMP 2018

- 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 12/17

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.	J. Burtchett	4/4/18	805	21.5	8.83	8.83	100	-	1.08	<u>P</u> /F	<u>B</u> /F
ICV	↓	↓	815	21.3	8.86	8.87	100	-	-	<u>P</u> /F	<u>L</u> /F
CCV	↓	↓	1537	21.1	8.90	8.91	100	-	-	<u>P</u> /F	<u>L</u> /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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	J. Burtchett	4/4/18	807	180168	01/19	1000	1000	<u>P</u> /F	<u>B</u> /F
ICV	↓	↓	818	270781	09/19	100	95	<u>P</u> /F	<u>L</u> /F
CCV	↓	↓	1539	270781	09/19	100	95	<u>P</u> /F	<u>L</u> /F
CCV			1541	180168	01/19	1000	996	<u>P</u> /F	<u>B</u> /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.	J. Burtchett	4/4/18	809	171121A	06/19	7.0	7.0	-309	<u>P</u> /F	<u>B</u> /F
Calibr.		↓	811	180160	01/19	4.0	4.0	145.9	<u>P</u> /F	<u>L</u> /F
Calibr.	↓	↓	813	180221E	09/19	10.0	10.0	-2023	<u>P</u> /F	<u>L</u> /F
ICV	↓	↓	819	180221E	09/19	10.0	10.0	-2023	<u>P</u> /F	<u>L</u> /F
CCV	↓	↓	1543	180160	01/19	4.0	4.0	146.0	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 10 171.4, slope from 4 to 7 1 (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 12/17

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: