

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

Meter ID: 132237

RQ: 2018-01-29-19

Project: 3mp NW

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 details.)

(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 1/22/18

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
Calibr.										
ICV										
CCV	J. P. H. S.	2/1/18	0735	20.0	8.915	8.91	100	-	1.01	P L
CCV	W. Bretana	2/1/18	1505	20.2	9.056	9.12	100.7	-	1.01	P L

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge N/A

Optical: DO gain range 0.85 to 1.15; 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
Calibr.	J. P. H. S.	2/1/18	0737	180124B	2/19	1000	1000	P L
ICV			0739	180124B	2/19	1000	1001	P L
CCV	W. Bretana	2/1/18	1507	180124A	2/19	100	96	P L
CCV								P L

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
Calibr.	J. P. H. S.	2/1/18	0741	2610663	10/18	7.0	7.0	-27.8	P L
Calibr.			0743	4712981	11/19	4.0	4.0	148.7	P L
Calibr.			0744	2611A79	5/18	10.0	10.0	-118.9	P L
ICV			0746	2611A79	5/18	10.0	10.0	-199.8	P L
CCV	W. Bretana	2/1/18	1510	4712981	11/19	4.0	4.05	145.4	P L
CCV									P L

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 10 171.1, slope from 4 to 7 176.5 (both must be between 150 and 200) 1/22/18

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification 1/22/18 10/16/17

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass/Fail
Pressure mode in air	J. P. H. S.	1/31/18	0748	0.00	0.00	P L

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: