

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

box if there is
qualified data on

Meter ID:

YSI #4

Project:

SMP Recon UEC NORTON

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (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 Lab

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

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 /	Lab /
Calibr.	J. Parrish	2/3/16	630	22.58	8.64	8.64	100	59.4	0.951	P	L
ICV	L	L	631	22.5	8.64	8.64	100	59.4	0.951	P	L
CCV	J. Gruentzel	2/3/16	1415	22.0	8.74	8.74	99.9	59.4	0.95102	P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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 CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass /	Lab /
Cond.									
Calibr.	J. Parrish	2/3/16	634	151113B	11/16	1000	1000	P	L
ICV	L	L	635	1165864	11/16	58640	57321	P	L
CCV	J. Gruentzel	2/3/16	1420	151113B	11/16	1000	1003	P	L
CCV	J. Gruentzel	2/3/16	1423	150701	11/16	100	103	P	L

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass /	Lab /
Calibr.	J. Parrish	2/3/16	639	2504B18	4/17	7.0	7.0		P	L
Calibr.	L	L	640	2504B18	4/17	4.0	4.0		P	L
Calibr.	L	L	641	2506675	11/16	10.0	10.0	-208.5	P	L
ICV			643	2504B18	4/17	7.0	7.08	-435	P	L
CCV	J. Gruentzel	2/3/16	1426	2504B18	4/17	7.0	7.11	-46.3	P	L
CCV	J. Gruentzel	2/3/16	1427	2506675	11/16	10.0	10.10	-244.3	P	L

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 m

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater