

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:

7

Project:

KEYS

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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

2/1/17

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Kathleen DeAeth	3/7/17	0658	24.1	8.46	8.40	100.0	70		P F	L F
ICV	"	"	0701	24.0	8.41	8.41	99.9	70		P F	L F
CCV	"	"	1620	24.4	8.35	8.34	100.1	71		P F	L F
CCV										P F	L F

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. Cond. FT 1200	Name	Date	Time (ET)	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Kathleen DeAeth	3/7/17	0902	161216A	12/17	1000	1000	P F	L F
ICV	"	"	0704	160418B	4/17	500	511	P F	L F
CCV	"	"	1622	2611038	11/17	89000	49,865	P F	L F
CCV								P F	L F

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Kathleen DeAeth	3/7/17	0705	164224	6/18	7.0	7.0	-34	P F	L F
Calibr.	"	"	0706	163418	5/18	4.0	4.0	52	P F	L F
Calibr.	"	"	0707	161216C	6/18	10.0	10.0	-128	P F	L F
ICV	"	"	0709	"	"	10.0	10.0	-120	P F	L F
CCV	"	"	1624	163418	5/18	4.0	4.1	49	P F	L F
CCV									P F	L F

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 mV

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

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

Notes: