

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 SMP

- 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

8/10/16

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.	Karthik DeFesh	8/23/16	0745	27.9	7.84	7.85	100.0	98		P F	L F
ICV	"	"	0746	28.6	7.82	7.82	100.0	98		P F	L F
CCV	"	"	1655	34.2	7.04	7.00	100.0	99		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.	Karthik DeFesh	8/23/16	0750	160222C	3/17	10,000	10,000	P F	L F
ICV	"	"	0751	160418A	4/17	1,000	1,025	P F	L F
CCV	"	"	1652	2511638	4/17	50,000	50,047	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.	Karthik DeFesh	8/23/16	0753	160222A	9/17	7.0	7.0	-6	P F	L F
Calibr.	"	"	0754	161523	3/18	4.0	4.0	131	P F	L F
Calibr.	"	"	0755	160126	2/18	10.0	10.0	-135	P F	L F
ICV	"	"	0757	160126	2/18	10.0	10.1	-136	P F	L F
CCV			1654	161523	3/18	4.0	4.1	129	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			

Notes:

RQ-2016-08-02-09

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