

RQ-2016-09-12-26

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: A-E3

Project: SMP 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 7/11/16

DO DEP SOP FT 1500	Name	Date	Time ET/PT	Temp	DO Chan	DO	W DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. P. H. S.	9/13	7:13	24.1	8.4	8.4	100	50.2	1.14	P	L
ICV	"	"	7:14	24.1	8.4	8.4	100	50.2	-	P	L
CCV	J. P. H. S.	9/13	17:51	21.6	8.8	8.9	101	50.2		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. Cond. DEP SOP FT 1500	Name	Date	Time ET/PT	Temp	Spec. Cond.	Temp	Spec. Cond.	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. P. H. S.	9/13	7:16	24.06003	02/18	1000	1000	P	L		
ICV	"	"	7:18	24.03682	3/18	100	104	P	L		
CCV	J. P. H. S.	9/13	17:53	25.11688	11/17	50000	49550	P	L		
CCV											

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1500	Name	Date	Time ET/PT	Temp	pH	pH	Water Reading	mV	Pass / Fail	Lab / Field
Calibr.	J. P. H. S.	9/13	7:20	16.1856	4/18	7.0	7.0	-35.5	P	L
Calibr.			7:21	16.1523	3/18	4.0	4.0	141.4	P	L
Calibr.			7:22	16.0910	3/18	10.0	10.0	-210.9	P	L
ICV			7:23	16.0910	3/18	10.0	10.0	-209.3	P	L
CCV	J. P. H. S.	9/13	17:55	16.1523	3/18	4.0	4.0	139.4	P	L
CCV										

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 7/11/16

Depth Sensor (Daily)	Name	Date	Time ET/PT	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	J. P. H. S.	9/13/16	7:25	0.000	0.00	P	L

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