

RQ-2016-07-18-22

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:

LIGus

Project:

SMP Purple

- 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

3/14/16

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	Lab / Field
Calibr.	Brenton	4/19/16	7:20	22.5	8.7	8.7	100	50	1.1	P	L
ICV	"	"	7:28	22.0	8.6	8.6	100			P	L
CCV	TWIPPICK	4/19	1630	23.0	8.6	8.6	100			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 FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Brenton	4/19/16	7:22	260200	2/18	1000	1000	P	L
ICV	"	"	"	2601533	12/17	100	100	P	L
CCV	TWIPPICK	"	1630	2601525	12/17	5000	4934	P	L
CCV									

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

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	Lab / Field
Calibr.	Brenton	4/19/16	7:25	150651	10/17	7.0	7.0	-34	P	L
Calibr.	"	"	"	158982	1/18	4.0	4.0	143	P	L
Calibr.	"	"	"	1506700	10/17	10.0	10.0	-25	P	L
ICV	"	"	"	"	"	10.0	10.0	-24	P	L
CCV	TWIPPICK	"	1630	158982	1/18	4.0	4.1	136	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;mV pH 4 Range $+180 \pm 50$;mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

3/8/16

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Brenton	4/19/16	7:28	0.000	0.000	P	L

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