

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

RQ-2018-04-30-04

Boldly "X" this box if there is qualified data on this page.

Meter ID:

LIL Jan

Project:

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

3/29/18

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.	Ben Pignatelli	5/1/18	715	23.2	8.54	8.54	100.0	57		P F	L F
ICV	Ben Pignatelli	5/1/18	717	23.2	8.54	8.59	100.5	57		P F	L F
CCV	Ben Pignatelli	5/1/18	1550	24.6	8.3	8.22	98.2	58		P F	L F
CCV	Ben Pignatelli	5/1/18								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.	Ben Pignatelli	5/1/18	720	271453	10/19	1,000	1,000	P F	L F
ICV	Ben Pignatelli	5/1/18	722	171150	10/19	100	103	P F	L F
CCV	Ben Pignatelli	5/1/18	724	270785	7/19	500	510	P F	L F
CCV	Ben Pignatelli	5/1/18	1552					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.	Ben Pignatelli	5/1/18	726	177435	10/19	7.0	7.00	-22	P F	L F
Calibr.	Ben Pignatelli	5/1/18	729	177759	10/20	4.0	4.00	155	P F	L F
Calibr.	Ben Pignatelli	5/1/18	732	173794	5/19	10.0	10.00	-200	P F	L F
ICV	Ben Pignatelli	5/1/18	733	177759	10/20	4.0	3.95	158	P F	L F
CCV	Ben Pignatelli	5/1/18	1534	172435	10/19	7.0	7.16	-31	P F	L F
CCV	Ben Pignatelli	5/1/18							P F	L F

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

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: