

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

McKay Sims 12/18

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

Meter ID: Lil Jon

RQ: 2018-02-14-13

Project: SMD

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(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

12/29/18

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.		2/20/18	730	23.6	8.48	8.48	100	94		P/F	L/F
ICV		2/20/18	731	23.0	8.48	8.50	100.2	94		P/F	L/F
CCV		2/20/18	1210	23.7	8.46	8.29	98	94		P/F	L/F
CCV										P/F	L/F

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.		2/1/18	732	2709999	4/1	1,000	1,000	P/F	L/F
ICV		2/1/18	734	2707083	3/19	100	102	P/F	L/F
CCV		2/1/18	1245	2705006	5/14	500	496	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.		2/20/18	736	171628	3/19	7.0	7.00	-18	P/F	L/F
Calibr.		2/20/18	740	174998	3/19	4.0	4.00	155	P/F	L/F
Calibr.		2/20/18	742	170266	3/19	10.0	10.00	-195	P/F	L/F
ICV		2/20/18	746	174998	3/19	4.0	3.94	158	P/F	L/F
CCV		2/20/18	1246	171628	3/19	7.0	7.01	-20	P/F	L/F
CCV									P/F	L/F

pH Acceptance criteria ± 0.2 SU;

mV pH 7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50;

If mV are recorded: slope from 7 to 10

_____ slope from 4 to 7

(both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset) meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: