

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

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

Meter ID: L1L Son RQ: 2018-10-29-77 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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 11/20/18

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Benfeger	12/19/18	720	21.6		8.81	8.84	100.4	47		P/F	L/F
ICV	Benfeger	12/19/18	722	21.4		8.84	8.93	100.1	47		P/F	L/F
CCV	S Meyer	12/20/18	1343	22.93							P/F	L/F
CCV	S Meyer	12/20/18	1343	22.93		8.595	8.52	99.2	48.2		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 (Pro DSS 0.75 to 1.50); 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.	Benfeger	12/19/18	728	2810C27	10/20	1,000	1,000	P/F	L/F
ICV	Benfeger	12/19/18	730	2809A63	9/20	100	96	P/F	L/F
CCV	S Meyer	12/20/18	1345	2807G57	07/2020	500	498	P/F	L/F
CCV	S Meyer	12/20/18						P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Benfeger	12/19/18	732	183273	5/20	7.	22.83	7.00	-36	P/F	L/F
Calibr.	Benfeger	12/19/18	734	183219	7/20	4.	22.85	4.00	142	P/F	L/F
Calibr.	Benfeger	12/19/18	736	178546	12/19	10.	22.91	10.01	-217	P/F	L/F
ICV	S Meyer	12/20/18	738	183219	7/20	4.	22.86	3.95	144	P/F	L/F
CCV	S Meyer	12/20/18	1348	183273	05/2020	7	22.81	6.97	-35.8	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 10 181, slope from 4 to 7 178 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification:

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 1; Date of last verification: 11/20/18

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: