

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: 154179

RQ: 2019-10-21-27

Project: SMP / Continuous

- 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 10/17/19

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.	S. Hode										P / F	L / F
ICV											P / F	L / F
CCV	S. Hode	10/30/19	0723	22.9	765.7	8.5	8.57	99.1			(P) F	(L) F
CCV	S. Hode	10/30/19	1320	21.7	764.7	8.9	8.84	99.9			(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.	S. Hode	10/30/19	0726	190618B	Jan '20	5000	5000	(P) F	(L) F
ICV	S. Hode	10/30/19	0728	190116A	Jan '20	1000	992	(P) F	(L) F
CCV	S. Hode	10/30/19	1322	190618A	Jan '20	100	103.5	(P) F	(L) F
CCV	S. Hode	10/30/19	1324	190509B	May '20	5000	50300	(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.	S. Hode	10/30/19	0730	190405E	10/2020	7.	21.3	7.01	-71.3	(P) F	(L) F
Calibr.	S. Hode	10/30/19	0732	190405F	10/2020	4.	22.9	4.00	94.2	(P) F	(L) F
Calibr.	S. Hode	10/30/19	0734	190405G	10/2020	10.	21.4	10.04	-228.9	(P) F	(L) F
ICV	S. Hode	10/30/19	0736	190405E	10/2020	4.0	22.0	3.97	93.9	(P) F	(L) F
CCV	S. Hode	10/30/19	1326	190405E	10/2020	7.0	21.8	7.02	-69.6	(P) F	(L) F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 157.16, slope from 4 to 7 165.5 (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: 10/17/19

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: ; Date of last 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	S. Hode	10/30/19	0737	0.000	0.000	(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: