

CALIBRATION AND VERIFICATION

RQ-2024-04-01-41

00, FD 1000-FD 4000)

RQ-2024-03-04-71

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

Meter ID:

Anya

SEST2404

Object:

Treed / HAB

Notes: (1) Always wait for meter to stabilize.
(2) Report all digits displayed. Do not round.
(3) For Calibrations, record calibrated value.

RQ-2024-04-01-38

SEGT2404

ings.
ments. (See special instructions for depth).
initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

3/21/2024

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.	Andrew Luerding	4/2/24	659	23.3	760.8	8.5	8.54	100.12		0.99	P/F	L/F
ICV	"	"	701	23.3	760.8	8.5	8.54	100.26		0.99	P/F	L/F
CCV	"	"	1601	29.2	758.3	7.7	7.66	100.1			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 (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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Andrew Luerding	4/2/24	704	231110C	11/2024	1000	1000	P/F	L/F
ICV	"	"	707	230927D	10/2024	100	100.9	P/F	L/F
CCV	"	"	1606	2305056	5/2024	10,000	10,004	P/F	L/F
CCV								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.	Andrew Luerding	4/2/24	710	231110B	5/2025	7.0	23.5	7.01	-34.8	P/F	L/F
Calibr.	"	"	713	231110A	5/2025	4.0	23.3	4.00	140.5	P/F	L/F
Calibr.	"	"	715	230714C	11/2025	10.0	23.3	10.02	-200.0	P/F	L/F
ICV	"	"	716	230714C	11/2025	10.0	23.3	9.99	-200.4	P/F	L/F
CCV	"	"	1608	231110A	5/2025	4.0	22.7	4.14	131.3	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 10 165.2, slope from 4 to 7 175.3 (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: 3/21/2024

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	Andrew Luerding	4/2/24	718	0.00	0.00	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: