

CALIBRATION AND VERIFICATION RQ-2024-04-01-41

D, FD 1000-FD 4000)

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

Meter ID: Anya

SEST2404

Project: Trend SMP

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

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Readings.
Measurements. (See special instructions for depth).
Initial meter reading before calibration.

Temperature (Quarterly) FT 1400

SEGT2404

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.	Natalie Howard	4/4/24	6:40	22.3	756.0	8.6	8.65	99.5	-	1.0	P/F	L/F
ICV	N	"	6:42	22.3	756.0	8.6	8.65	99.5	-	1.0	P/F	L/F
CCV	Andrew Lueing	4/4/24	16:34	23.6	756.2	8.4	8.42	99.4	-		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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Natalie Howard	4/4/24	6:45	231110C	11/2024	1000	1000	P/F	L/F
ICV	N	4/4/24	6:48	230921D	10/2024	100	100.7	P/F	L/F
CCV	Andrew Lueing	4/4/24	16:36	230505F	5/2024	5000	5003	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.	Natalie Howard	4/4/24	6:50	231110B	5/2025	7.61	23.2	7.61	-34.2	P/F	L/F
Calibr.	N	"	6:53	231110A	5/2025	4.00	23.1	4.00	142.0	P/F	L/F
Calibr.	N	"	6:55	230714C	1/2025	10.02	23.0	10.02	-199.7	P/F	L/F
ICV	N	"	6:58	230714C	1/2025	10.0	23.0	9.99	-199.8	P/F	L/F
CCV	Andrew Lueing	4/4/24	16:38	231110A	5/2025	4.0	23.1	4.16	131.6	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 10 116.5, slope from 4 to 7 176.2 (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	Natalie Howard	4/4/24	7:02	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: