

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

SMP
2018-02-05-19

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

Meter ID: BUSTA

RQ:

Project: Trend-NORTH RUN

- Notes: (1) Always wait for meter to stabilize before recording any readings. 24-ST-1802
 (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

DO DEP SOP FT 1500	Name	Date	Time GT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	H. SPRINKLE	2/1	0652	21.08	8.898	8.90	100.0	59.4	0.98127	☒ F	☒ F
ICV			0654	21.05	8.898	8.92	100.4	59.4	—	☒ F	☒ F
CCV			1541	20.81	8.950	8.94	99.8	59.4	—	☒ F	☒ F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.
 Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time GT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	H. SPRINKLE	2/1	0656	2703D66	03/19	1000	1000	☒ F	☒ F
ICV			0658	2707D83	07/19	100	101	☒ F	☒ F
CCV			1543	2705958	05/19	4996	5000	☒ F	☒ F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time GT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	H. SPRINKLE	2/1	0700	173851	06/19	7.0	7.00	-23.1	☒ F	☒ F
Calibr.			0703	174998	07/19	4.0	4.00	151.4	☒ F	☒ F
Calibr.			0704	170266	03/19	10.0	10.00	201.0	☒ F	☒ F
ICV			0706	170266	03/19	10.0	9.99	-149.8	☒ F	☒ F
CCV			1543	173851	06/19	7.0	6.98	-20.4	☒ F	☒ 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 _____, 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 12/29

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time GT-ET	Calibrated Value (0.00 or Offset) meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	H. SPRINKLE	2/1	0650	0.17	0.170	☒ F	☒ F

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

COMMENTS: