

SNIP

Horsehole: PO-2018-06-04-25

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

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

Meter ID:

LE 1A

RQ:

Project:

245T1806

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.

Circle/Fill in: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

8/3/29/2018

DO DEP SOP FT 1500	Name	Date	Time GT-ET	Temp	D.O. Chan mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	K. Callahan	06/06	0702	24.5	8.340	8.34	100%	-	-	P/F	L/F
ICV	KE	06/06	0705	24.5	8.340	8.34	100%	-	-	P/F	L/F
CCV	KE	06/06	1545	23.0	8.578	8.66	101.1%	-	-	P/F	L/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 umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	KE	06/06	0709	2803F43	07/20	1000	1000	P/F	L/F
ICV	KE	06/06	0713	1711C50	10/19	100	101.1	P/F	L/F
CCV	KE	06/06	1556	2803A11	03/20	5000	5060	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time GT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	KE	06/06	0729	178054	11/19	7.0	7.00	-17.3	P/F	L/F
Calibr.		06/06	0734	177759	10/20	4.0	4.06	164.9	P/F	L/F
Calibr.		06/06	0737	173294	05/19	10.0	10.0	-140.0	P/F	L/F
ICV		06/06	0741	173794	05/19	10.0	9.98	-	P/F	L/F
CCV		06/06	1601	177759	10/20	4.0	4.15	-	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 10 172.1, slope from 4 to 7 182.2 (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

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						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: