

Stone Mule, Tanyard B,

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

Meter ID:

B70 #2

RQ-

2017-10-30-18

Project:

SMP

Handwritten note: "Handwritten 'X' in this box indicates that the user has qualified and signed their name."

PH

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

DO DEP SOP FT 1500	Name	Date	Time CTET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	10/31/17	659	19.66	9.147	9.15	100.0	51	-	☒ F	☒ F
ICV	Curtis Musson	10/31/17	700	19.67	9.147	9.16	100.0	51	-	☒ F	☒ F
CCV	Curtis Musson	10/31/17	1633	21.59	8.812	8.54	96.9	50	-	☒ 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 CTET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	10/31/17	702	171005D	10/2018	1000	1000	☒ F	☒ F
ICV	Curtis Musson	10/31/17	703	171005D	10/2018	1000	1000	☒ F	☒ F
CCV	Curtis Musson	10/31/17	1636	171005E	10/2018	100	101	☒ F	☒ F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CTET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	10/31/17	705	170614B	12/2018	7.0	7.00	45	☒ F	☒ F
Calibr.	Curtis Musson	10/31/17	707	171005A	10/2018	4.01	4.01	214	☒ F	☒ F
Calibr.	Curtis Musson	10/31/17	710	170310C	09/2018	10.01	9.97	-113	☒ F	☒ F
ICV	Curtis Musson	10/31/17	712	171005A	10/2018	4.01	3.99	214	☒ F	☒ F
CCV	Curtis Musson	10/31/17	1637	170614B	12/2018	7.0	6.54	74	☒ 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 _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CTET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Curtis Musson	10/31/17	704	0.00	0.00	☒ 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: