

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

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

Meter ID: Key

RQ: 2018-2-12-20

Project: CAIUSA Long Term

2018-2-12-21

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 12/4/17

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	JOHN BARRINGTON	2/14/18	0720	24.4	8.4	8.3	100	55.3	0.98	(P) F	(L) F
ICV	JOHN BARRINGTON	2/14/18	0722	24.4	8.4	8.3	100	55.3		(P) F	(L) F
CCV	JOHN BARRINGTON	2/14/18	1654	25.0	8.3	8.3	101	55.3		(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 CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	JOHN BARRINGTON	2/14/18	0724	170421A	5/18	10,000	10,000	(P) F	(L) F
ICV	JOHN BARRINGTON	2/14/18	0726	171211C	12/18	1000	1044	(P) F	(L) F
CCV	JOHN BARRINGTON	2/14/18	1656	0706591	3/19	50,000	49434	(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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	JOHN BARRINGTON	2/14/18	0728	176157	8/19	7.0	7.0	—	(P) F	(L) F
Calibr.	JOHN BARRINGTON	2/14/18	0730	176044	8/19	4.0	4.0	—	(P) F	(L) F
Calibr.	JOHN BARRINGTON	2/14/18	0732	176507	9/19	10.0	10.0	—	(P) F	(L) F
ICV	JOHN BARRINGTON	2/14/18	0734	176044	8/19	4.0	4.0	—	(P) F	(L) F
CCV	JOHN BARRINGTON	2/14/18	1700	176507	9/19	10.0	10.0	—	(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 _____, 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 CT-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: