

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: KEYS

RQ: 2018-04-09-03

Project: CALOUSA LT

- 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 3/22/18

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 BORRINGTON	4/11/18	0700	23.76	8.45	8.46	100.0	39.0	—	(P)/F	(L)/F
ICV	JOHN BORRINGTON	4/11/18	0703	23.69	8.47	8.46	100.0	39.0	—	(P)/F	(L)/F
CCV	JOHN BORRINGTON	4/11/18	1643	25.48	8.18	8.11	99.0	—	—	(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 BORRINGTON	4/11/18	0706	170725C	8/18	10000	10001	(P)/F	(L)/F
ICV	JOHN BORRINGTON	4/11/18	0709	180321B	4/19	1000	993	(P)/F	(L)/F
CCV	JOHN BORRINGTON	4/11/18	1646	270859F	5/19	50000	49511	(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 BORRINGTON	4/11/18	0712	177435	10/19	7.0	7.00	—	(P)/F	(L)/F
Calibr.	JOHN BORRINGTON	4/11/18	0715	17759	10/19	4.0	3.98	—	(P)/F	(L)/F
Calibr.	JOHN BORRINGTON	4/11/18	0718	177738	10/19	10.0	10.01	—	(P)/F	(L)/F
ICV	JOHN BORRINGTON	4/11/18	0721	17759	10/19	4.0	4.06	—	(P)/F	(L)/F
CCV	JOHN BORRINGTON	4/11/18	1649	177738	10/19	10.0	9.86	—	(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: