

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 page.

Meter ID: Kay0

RQ: 2018-05-14-142

Project: Habitat 205

- 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 3/20/18

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.	Gary Smith	5/22/18	0705	24.6	8.33	8.34	100	59.4		P/F	L/F
ICV	"		0708	24.4	8.33	8.35	100	59.4		P/F	L/F
CCV	S. Cofer	5/22/18	1504	24.0	8.41	8.41	98.5	59.4		P/F	L/F
CCV											

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.	Gary Smith	5/22/18	0705	180321B	04/19	1000	1000	P/F	L/F
ICV	"	5/22/18	0714	171211B	12/18	100	102	P/F	L/F
CCV	S. Cofer	5/22/18	1502	171211A	12/18	10,000	9852	P/F	L/F
CCV									

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.	Gary Smith	5/22/18	0720	177435	10/19	7.0	7.0	-21.6	P/F	L/F
Calibr.	"	5/22/18	0722	180710	2/20	4.0	4.0	155.6	P/F	L/F
Calibr.	"	5/22/18	0726	176507	9/19	10.0	10.0	-197.5	P/F	L/F
ICV	"	5/22/18	0730	180710	2/20	4.0	3.93	157.7	P/F	L/F
CCV	S. Cofer	5/22/18	1505	177435	10/19	7.0	6.97	-20.3	P/F	L/F
CCV										

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: