

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

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

Meter ID: PRO MOVE

RQ: 2018-05-13-60

Project: ALBAE

- 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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 3/19/19

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	BARRINGTON	5/15/19	0730	24.7	754.2	8.25	8.25	99.2	-	1.039	(P/F)	(L/F)
ICV	↓	↓	0733	24.7	754.1	8.25	8.24	99.1	-	-	(P/F)	(L/F)
CCV	BARRINGTON	5/15/19	1545	25.3	754.0	8.22	8.17	100.5	-	-	(P/F)	(L/F)
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L. Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.
 Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	BARRINGTON	5/15/19	0739	2809D50	9/20	10000	10000	(P/F)	(L/F)
ICV	↓	↓	0742	2810447	3/21	1000	1013	(P/F)	(L/F)
CCV	BARRINGTON	5/15/19	1548	2811660	11/20	50000	49782	(P/F)	(L/F)
CCV	BARRINGTON	5/15/19	1549	2810041	10/20	520	504	(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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	BARRINGTON	5/15/19	0745	187681	11/21	8.99	24.6	7.01	-41.7	(P/F)	(L/F)
Calibr.	↓	↓	0748	190072	01/21	4.01	24.5	4.00	136.9	(P/F)	(L/F)
Calibr.	↓	↓	0751	187650	12/20	10.01	24.7	10.00	202.2	(P/F)	(L/F)
ICV	↓	↓	0754	190072	01/21	4.01	24.5	3.92	-	(P/F)	(L/F)
CCV	BARRINGTON	5/15/19	1550	187680	12/20	10.01	24.5	10.12	-	(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)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES NO NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification:

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: DEEP BLUE; Date of last verification: 12/26/18

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: