

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

boldly "X" the box if there is qualified data on this page.

Meter ID:

7

RQ-

2018-02-05-56

Project:

Gulf of Mexico

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

01/08/2018

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge H. F	Probe Gain	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	03/08/18	0712	22.2	8.556	8.71	100	48.2		P/F	L/F
ICV	"	"	0713	21.5	8.39	8.37	100	48.7		P/F	L/F
CCV	JOHN BARRINGTON	3/7/18	0750	23.1	8.562	8.45	99	67.6		P/F	L/F
CCV	JOHN BARRINGTON	3/7/18	0750	26.26	8.070	7.16	88.4	63.5		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.	M. DUGAN	03/08/18	0718	171211D	12/18	500	500	P/F	L/F
ICV	"	"	0719	171211C	12/18	1000	1038	P/F	L/F
CCV	JOHN BARRINGTON	3/7/18	0806	2706591	5/19	50,000	49530	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.	M. DUGAN	03/08/18	0722	176157	08/19	7.0	7.0	-42.1	P/F	L/F
Calibr.	"	"	0723	176238	10/19	4.0	4.0	134.1	P/F	L/F
Calibr.	"	"	0728	176507	09/19	10.0	10.0	-224.4	P/F	L/F
ICV	"	"	0734	176507	09/19	10.0	10.0	-223.4	P/F	L/F
CCV	JOHN BARRINGTON	3/7	0812	177238	10/19	4.0	3.85	147.8	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 10 182.3, slope from 4 to 7 176.2 (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: