

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: YSI#3

RQ: 2017-12-04-27 & 28

Project: CCSRSLV

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 L56

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 10/2017

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.	J. Parish	12/4/17	735	21.9	8.76	8.76	100	68.6		P/F	L/F
ICV	J	↓	736	20.69	8.74	8.69	99.5	68.6		P/F	L/F
CCV	B = D =	↓	1527	20.7	8.96	8.66	96.6	68.6		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.	J. Parish	12/4/17	737	17072013	8/18	100	100	P/F	L/F
ICV	J	↓	738	81472017	3/18	147	141	P/F	L/F
CCV	B = D =	↓	1529	17072013	8/18	100	99	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.	J. Parish	12/4/17	739	2708860	7/19	7.0	7.02	-26	P/F	L/F
Calibr.	J	↓	740	2710516	9/19	4.0	4.02	-	P/F	L/F
Calibr.	J	↓	742	2706031	12/18	10.0	10.00	-	P/F	L/F
ICV	J	↓	743	2710516	9/19	4.0	4.02	-	P/F	L/F
CCV	B = D =	↓	1531	2708860	7/19	7.0	7.08	-120	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 _____

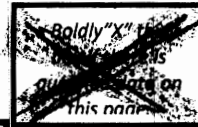
Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass/ Fail	Lab/ Field
Pressure mode in air	J. Parish	12/4/17	747	0.0	0.0	P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

BD 12/19/17

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



Meter ID:

QUANTA #1

RQ:

2017-12-04-37

Project:

NASSAU West

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

10-10-17

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.	PO'Connor	12-04-17	0707	22.23	8.70	8.67	100.0	—	—	(P) F	(L) F
ICV	↓	↓	0710	22.3	8.69	8.66	99.9	—	—	(P) F	(L) F
CCV	AKalmbacher	12-04-17	1325	22.6	8.64	7.97				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.	PO'Connor	12-04-17	0713	170720A	08-2018	1000	1000	(P) F	(L) F
ICV	↓	↓	0715	170720B	08-2018	100	99	(P) F	(L) F
CCV	AKalmbacher	12-04-17	1340	170720A	8/2018	1.000	1.045	(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.	PO'Connor	12-04-17	0717	2708B60	07-2019	7.0	7.00	—	(P) F	(L) F
Calibr.	↓	↓	0722	2710816	09-2019	4.0	4.00	—	(P) F	(L) F
Calibr. ICV	↓	↓	0725	2706D31	12-2018	10.0	9.97	—	(P) F	(L) F
ICV	AKalmbacher	12-04-17	1345	2708B60	7/2019	7.0	6.99	—	(P) F	(L) F
CCV									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	N/A					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:

BD 12/19/17