

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:

SAIEK

RQ:

2019-10-21-31

2019-10-21-31

Project:

SMP DASHIN

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 10/1/19

DO FDEP SOP FT 1500	Name	Date	Time GT-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.	Gary Snow	10/22/19	0717	24.0	756.0	8.4	8.40	99.5			P/F	L/F
ICV	"	10/22/19	0719	24.0	756.0	8.4	8.37	99.4			P/F	L/F
CCV	Gary Snow	10/22/19	1654	27.2	756.0	7.9	7.95	99.9			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 GT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Gary Snow	10/22/19	0712	2909939	8/21	1000	1001	P/F	L/F
ICV	"	10/22/19	0715	2905F63	05/21	100	98.3	P/F	L/F
CCV	Gary Snow	10/22/19	1642	2905F63	05/21	100	100.2	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time GT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Gary Snow	10/22/19	0722	192113	04/21	7.01	24.2	7.01	-36.2	P/F	L/F
Calibr.	"	10/22/19	0720	193247	05/21	4.00	24.3	4.00	-141.9	P/F	L/F
Calibr.	"	10/22/19	0735	193879	06/21	10.00	24.1	10.01	-218.2	P/F	L/F
ICV	"	10/22/19	0738	193247	05/21	4.00	24.3	3.69		P/F	L/F
CCV	Gary Snow	10/22/19	1652	193874	06/21	10.00	23.5	9.97		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: 33120 ; Date of last verification: 6/18/19

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time GT-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: