

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

Meter ID: K448

RQ: 2019-03-18 26

Project: MAYAKA STRAPPS

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

- 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 12/26/2018

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.	M. DUGAN	03/11/19	0732	23.6	760	8.17	8.25	100			P/F	L/F
ICV				25.1		8.25					P/F	L/F
CCV	"	03/11/19	0737	24.5	760	8.34	8.38	100			P/F	L/F
CCV	"	03/11/19	1528	24.3	760	8.37	8.33	99.6			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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	03/11/19	0718	2810027	10/20	1000	1000	P/F	L/F
ICV	"	03/11/19	0729	280884	07/20	100	102	P/F	L/F
CCV	"	03/11/19	1520	2810041	10/20	500	498	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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	03/11/19	0740	187681	11/20	6.994	25.8	7.00		P/F	L/F
Calibr.	"	03/11/19	0742	1876827	11/20	4.010	25.3	4.00		P/F	L/F
Calibr.	"	03/11/19	0744	186877	10/20	10.008	25.7	10.00		P/F	L/F
ICV	"	03/11/19	0745	1876827	11/20	4.010	25.3	4.00		P/F	L/F
CCV	"	03/11/19	1525	186877	10/20	10.013	24.9	9.87		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: 12/26/2018

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: