

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 name.

Meter ID:

YSI II

RQ:

2018-02-26-29

Project:

Inter-lachen LA Co S 2

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

01-2018

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	P O'Connor	03-28-18	0713	22.3	8.69	8.69	100.0	—	1.01629	P/F	L/F
ICV	✓	✓	07115	22.5	8.66	8.66	100.0	—	1.01629	P/F	L/F
CCV	P O'Connor	03-28-18	1445	22.6	8.64	8.63	99.8	—	1.01629	P/F	L/F
CCV	✓	✓							1.01629	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.	P O'Connor	03-28-18	0720	171129A	12-2018	1000	1000	P/F	L/F
ICV	✓	✓	0723	171129B	12-2018	100	102	P/F	L/F
CCV	P O'Connor	03-28-18	1450	171129B	12-2018	100	101	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.	P O'Connor	03-28-18	0725	2711C81	11-2018	7.0	7.00	-6.1	P/F	L/F
Calibr.	✓	✓	0727	2711517	10-2019	4.0	4.00	162.3	P/F	L/F
Calibr.	✓	✓	0730	2708A21	04-2019	10.0	9.98	-170.0	P/F	L/F
ICV	✓	✓	0735	2711C81	11-2019	7.0	7.02	-5.8	P/F	L/F
CCV	P O'Connor	03-28-18	1452	2711517	10-2019	4.0	4.01	161.7	P/F	L/F
CCV	✓	✓	1455	2708A21	04-2019	10.0	10.06	-173.7	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 01-2018

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:

QC/Scanned BV 4/2/18 JP 3/30/18

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-

2018-03-12-18

Project:

Interlachen 2

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

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.	B-V-	3/28	747	22.8	8.61	8.62	100	/	1.09	P/F	L/F
ICV			751	22.9	8.59	8.60	100	/	1.09	P/F	L/F
CCV	AKalmbacher	1625		24.7	8.31	8.37	100.7		1.09	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.	B-V-	3/28	754			1413	1413	P/F	L/F
ICV			756			100	99	P/F	L/F
CCV	AKalmbacher	3-28	1628	322413	9/18	141	1413	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.	B-V-	3/28	800			7.0	7.0	-1.1	P/F	L/F
Calibr.			809			4.0	4.0	162.4	P/F	L/F
Calibr.			811			10.0	9.98	160.0	P/F	L/F
ICV			814			7.0	7.02	-0.5	P/F	L/F
CCV	AKalmbacher	3-28	1630	2711517	10/19	4.0	4.00	161.9	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 ;

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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:

QC/Scanned 137 4/2/18 JP 3/30/18