

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

Meter ID: LIL 645

AC: 2018-2603-26-4

Project: SMP

Box if there qualified dot this none

- 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 1/9/18

DO	Name	Date	Time	Temp	DO	Meter	Ratio	Probe	Probe	Pass	Lab
DO	Name	Date	Time	Temp	DO	Meter	Ratio	Probe	Probe	Pass	Lab
Calibr.	<u>Alex Mads</u>	<u>3/28</u>	<u>7:56</u>	<u>22.7</u>	<u>8.6</u>	<u>8.62</u>	<u>100</u>	<u>43.1</u>	<u>1.04</u>	<u>P/F</u>	<u>L/F</u>
ICV		<u>3/28</u>	<u>7:58</u>	<u>22.8</u>	<u>8.6</u>	<u>8.61</u>	<u>100</u>	<u>43.1</u>		<u>P/F</u>	<u>L/F</u>
CCV	<u>Alex Mads</u>	<u>3/28</u>	<u>16:20</u>	<u>26.7</u>	<u>8.0</u>	<u>7.85</u>	<u>98.0</u>	<u>44.1</u>		<u>P/F</u>	<u>L/F</u>
CCV										<u>P/F</u>	<u>L/F</u>

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	Name	Date	Time	Temp	Spec	Standard	Meter	Pass	Lab
Spec	Name	Date	Time	Temp	Spec	Standard	Meter	Pass	Lab
Calibr.	<u>Alex Mads</u>	<u>3/28</u>	<u>8:00</u>	<u>27.1</u>	<u>453</u>	<u>1000</u>	<u>1000</u>	<u>P/F</u>	<u>L/F</u>
ICV		<u>3/28</u>	<u>8:02</u>	<u>27.0</u>	<u>781</u>	<u>100</u>	<u>102</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>Alex Mads</u>	<u>3/28</u>	<u>16:24</u>	<u>27.0</u>	<u>849</u>	<u>50,000</u>	<u>50,111</u>	<u>P/F</u>	<u>L/F</u>
CCV								<u>P/F</u>	<u>L/F</u>

Conductivity Acceptance criteria $\pm 5\%$

DO DEP-SOP IS MOD	Name	Date	Time GAGE	Lot#	Expir. DATE	pH Buffer SLB	Meter reading SLB	mV	Pass Fail	Lab Error
Calibr.	<i>Alex Mads</i>	3/28	8:06	174544	06/19	7.0	7.0	-33.0	☒ P / ☐ F	☐ L / ☒ F
Calibr.		3/28	8:10	174998	7/19	4.0	4.0	150.1	☒ P / ☐ F	☐ L / ☒ F
Calibr.		3/28	8:12	170266	3/19	10.0	10.0	214.7	☒ P / ☐ F	☐ L / ☒ F
ICV		3/28	8:14	170266	3/19	10.0	9.92	210.1	☒ P / ☐ F	☐ L / ☒ F
CCV	<i>Alex Mads</i>	3/28	16:28	174998	7/19	4.0	4.17	135.6	☒ P / ☐ F	☐ L / ☒ F
CCV										

pH Acceptance criteria ± 0.2 SU;

mV pH 7 Range 0 $\pm$ 50;

mV pH 4 Range ± 100 ;

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 10 177.1, slope from 4 to 7 183.1 (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 1/9/18

Depth Sensor	Name	Date	Time	Calibrated	ICV Value	Pass /	Lab /
Depth Sensor	Name	Date	Time	Calibrated	ICV Value	Pass /	Lab /
(Daily Calibration & ICV)			CT:ET	Value (0.00 or Offset), meters	meters	Fail	Field
Pressure mode in air	<u>Alex Mads</u>	<u>3/28</u>	<u>8:16</u>	<u>0.00</u>	<u>0.00</u>	<u>P/F</u>	<u>L/F</u>

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

COMMENTS: