

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: Exo3

RQ: 2016

Project: SMP 2016

- 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 12/17

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.	J. Burkett	1/30/18	943	14.2	9.22	9.21	100	-	1.06	<u>P</u> /F	<u>L</u> /F
ICV	✓	✓	953	14.7	9.31	9.31	100	-	-	<u>P</u> /F	<u>L</u> /F
CCV	✓	✓	955	16.8	9.71	9.71	100	-	-	<u>P</u> /F	<u>L</u> /F
CCV			1446							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. Burkett	1/30/18	945	171121D	12/18	1000	1000	<u>P</u> /F	<u>L</u> /F
ICV	✓	✓	955	2710781	9/19	100	101	<u>P</u> /F	<u>L</u> /F
CCV	✓	✓	1452	2710781	09/19	100	103	<u>P</u> /F	<u>L</u> /F
CCV			1455	171121D	12/18	1000	996	<u>P</u> /F	<u>L</u> /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. Burkett	1/30/18	947	171121A	06/19	7.0	7.0	-25.3	<u>P</u> /F	<u>L</u> /F
Calibr.	↓	↓	949	180116D	01/19	4.0	4.0	154.2	<u>P</u> /F	<u>L</u> /F
Calibr.	↓	↓	951	171121B	06/19	10.0	10.0	-12.4	<u>P</u> /F	<u>L</u> /F
ICV	↓	↓	957	171121B	06/19	10.0	10.0	-14.2	<u>P</u> /F	<u>L</u> /F
CCV	↓	↓	1459	180116D	01/19	4.0	4.0	151.3	<u>P</u> /F	<u>L</u> /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 10 167.1, slope from 4 to 7 179.5 (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						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: