

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

Boldly "X" this box if there is qualified data on

Meter ID:

Quartz

Project:

Swansee Springs

- Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (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

L-6

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

4/16

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. Davis	6/1/16	823	23.81	8.44	8.44	100	/	/	P	L
ICV	↓	↓	824	23.76	8.46	8.44	99.8	/	/	P	L
CCV	↓	↓	1700	24.79	8.43	8.29	101.7	/	/	P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; 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.	B. Davis	6/1/16	826	160216A	2/17	1000	1000	P	L
ICV	↓	↓	827	160216B	8/16	104	104	P	L
CCV	↓	↓				100			
CCV	↓	↓	1702	160216A	2/17	1000	9100	P	L

Report specific conductance as a whole number with no decimal figure.

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. Davis	6/1/16	831	2510A81	10/17	7.0	7.0			
Calibr.	↓	↓	833	2509F74	9/17	4.0	4.0			
Calibr.	↓	↓	835	2510A88	4/17	10.0	10.0			
ICV	↓	↓	837	2510A81	10/17	7.0	7.02		P	L
CCV	↓	↓	1704	2509F74	9/17	4.0	4.13		P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV