

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 A

Project: SMP: Ok, Telegraph, Polk, Wog

- 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 _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 9/26/2016

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Corey Anderson	10/18/16	0945	23.9	8.4	8.4	100	39	0.94	P F	L F
ICV	Corey Anderson	10/18/16	0952	23.9	8.4	8.4	99	39		P F	L F
CCV	Corey Anderson	10/18/16	1544	24.5	8.3	8.3	99			P F	L F
CCV										P F	L F

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.
 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 (ET)	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Corey Anderson	10/18/16	954	160418A	4/2017	1000	1000	P F	L F
ICV	Corey Anderson	10/18/16	958	160823B	3/2017	100	102	P F	L F
CCV	Corey Anderson	10/18/16	1532	160418A	4/2017	1000	994	P F	L F
CCV								P F	L F

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Corey Anderson	10/18/16	1000	160222A	9/2017	7.0	7.0	-59.7	P F	L F
Calibr.	Corey Anderson	10/18/16	1003	161523	3/2018	4.0	4.0	115.5	P F	L F
Calibr.	Corey Anderson	10/18/16	1005	160126	2/2018	10.0	10.0	-237	P F	L F
ICV	Corey Anderson	10/18/16	1008	161523	3/2018	4.0	4.1	112	P F	L F
CCV	Corey Anderson	10/18/16	1535	160126	2/18	10.0	9.9	-232	P F	L F
CCV									P F	L F

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50;
 mV pH 10 Range -180 $\pm$ 50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

Notes: RQ-2016-10-17-05 + RQ-2016-10-17-06
 ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater