KQ-2016-10-03-13

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: AE3 **Project:** SMP

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 7/1

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.	Mathew Sewell	10/4	945	22.7	8.6	8.6	100	75	1.16	P	L
ICV	Mathew Sewell	10/4	9:45	22.7	8.6	8.6	100	75		P	L
CCV	T Wippick	10/4	1600	24.3	8.4	8.5	102	74		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 (umhos/cm)	Meter Reading (umhos/cm)	Pass / Fail	Lab / Field
Calibr.	Matt Sewell	10/4	9:45	2606003	2/18	1000	1000	P	L
ICV	Matt Sewell	10/4	9:45	2603682	3/18	100	101	P	L
CCV	T Wippick	10/4	1600	2606003	2/18	1000	997	P	L
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 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.	Matt Sewell	10/4	9:45	16856	4/18	7.0	7.0	-35	P	L
Calibr.	Mathew Sewell	10/4	9:45	161523	3/18	4.0	4.0	140	P	L
Calibr.	Matt S	10/4	9:50	160910	3/18	10.0	10.0	-210	P	
ICV	Matt Sewell	10/4	9:50	160910	3/18	10.0	10.0	-210	P	L
CCV	T Wippick	10/4	1600	161523	3/18	4.0	4.0	141	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±50;
mV pH 10 Range -180±50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly) Date of Last Depth Verification 7/1

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Matt Sewell	10/4	950	0.000	0.0	P	L

ICV acceptance criteria ±5 % or ±0.05m, whichever is greater