

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: 1:1 GDS

Project: SMD GDS Sort 1

- 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 12/22/17

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.	Matt Seidel	2/24/17	8:45	21.9	8.8	8.8	100	49.2	-	P	L
ICV	Matt Seidel	2/24/17	8:50	22.0	8.7	8.7	100	49.2	-	P	L
CCV	Matt Seidel	2/24/17	17:10	22.2	8.7	8.8	101	49.0	-	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Matt Seidel	2/24/17	8:50	2610864	10/18	1000	1000	P	L
ICV	Matt Seidel	2/24/17	8:51	2604736	3/18	100	103	P	L
CCV	Matt Seidel	2/24/17	17:15	2601525	4/17	5000	4898	P	L
CCV									

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.	Matt Seidel	2/24/17	8:52	165674	8/18	7.0	7.0	-12.5	P	L
Calibr.				164668	7/18	4.0	4.0	166.8	P	L
Calibr.				160910	3/18	10.0	10.0	-187.7	P	L
ICV	Matt Seidel	2/24/17	8:55	160910	3/18	10.0	10.0	-189.1	P	L
CCV	Matt Seidel	2/24/17	17:20	164668	7/18	4.0	4.0	157.7		
CCV										

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 12/22/17

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Matt Seidel	2/24/17	8:47	0.000	0.0	P	L

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