

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:

A

Project:

SMP Platt + Cowbone

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

4-18-16

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	6-28-16	708	25.3	8.2	8.2	100	60		P F	L F
ICV	"	"	710	25.3	8.2	8.1	99			P F	L F
CCV	Corey Anderson	6-28-16	1546	25.4	8.2	8.2	100			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.

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 (ET)	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Corey Anderson	6/28/16	714	160418A	4/17	1000	1000	P F	L F
ICV	"	"	718	160318	9/16	100	105	P F	L F
CCV	Corey Anderson	6/28/16	1547	160418A	4/17	1000	1019	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	6/28/16	720	160222A	9/17	7.0	7.0	-64	P F	L F
Calibr.	"	"	721	16523	3/18	4.0	4.0	112	P F	L F
Calibr.	"	"	722	160126	2/18	10.0	10.0	-240	P F	L F
ICV	"	"	723	160126	2/18	10.0	10.0		P F	L F
CCV	Corey Anderson	6/28/16	1548	161523	3/18	4.0	4.0	111	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:

Rd-2016-06-06-04 + Rd-2016-06-06-05

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

Field Meter Calibration Log

Meter ID: YSI multiprobe

	Date	6-27-16	6-28-16	7-14-16	7-19-16	
AM	pH 4.00	4.00	4.00	4.00	4.00	
	pH 7.00	7.00	7.01	7.01	7.00	
	pH 10.00	10.00	10.00	10.00	10.00	
	Cond 147					
	Cond 717.5					
	Cond 1413					
	@ Temp					
	DO %	100.4	100.3	100.4	100.3	
	DO @ Temp	26.46	27.02	26.00	27.83	
PM	pH	4/7/10	4/7/10	4/7.1/10	4/7.1/10	
	Cond	—	—	—	—	
	DO% @ Temp	100.1/25.92	100.3/27.95	100.4/25.64	98.5/26.88	
	Batteries	4540	4540	4540		
	Comments		D.O. membrane New installed			
	User	J.D.F	J.D.F	J.D.F	J.D.F	