

RQ-2017-08-21-04

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

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

Meter ID:

18

Project:

SMP - Yucca +

3 Alligators

- 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

8/21/17

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.	MARYANN DUGAN	08/21/17	0724	25.4	8.203	8.19	100	-86.8		P F	L F
ICV	"	08/21/17	0725	25.6	8.173	8.16	100	-88.7		P F	L F
CCV	Ben Paswider	"	1350	24.7	8.304	8.25	99.4	47.1		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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	MARYANN DUGAN	08/21/17	0729	170728A	08/18	1000	1000	P F	L F
ICV	"	08/21/17	0731	170728B	08/18	500	497	P F	L F
CCV	BP	08/21/17	1351	170728A	8/18	100	104	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.	MARYANN DUGAN	08/21/17	0733	168705	2/19	7.0	7.0	-37.0	P F	L F
Calibr.	"	08/21/17	0739	171629	4/19	4.0	4.0	157.9	P F	L F
Calibr.	"	08/21/17	0741	172902	4/19	10.0	9.9	-129.0	P F	L F
ICV	"	08/21/17	0744	171629	4/19	4.0	4.0	157.9	P F	L F
CCV	BP	"	1355	168705	2/19	7.0	7.04	-32.6	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			

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

Notes: