

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 YSI 4 RQ- 2016-06-20-08 Project Ichneumon

- 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 1

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 7 / 2016

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.	JParrish	6/21/16	715	23.4	8.51	8.51	100	53.3	-	P	L
ICV	J	6/21/16	718	23.4	8.51	8.47	99.6	52.3	-	P	L
CCV	J	6/21/16	1502	25.8	8.14	8.00	98.	49.2	-	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	JParrish	6/21/16	724	160216A	2/17	1000	1002	P	L
ICV	J	J	726	160216B	8/16	100	102	P	L
CCV	J	J	1502	05151413	6/16	1413	1425	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.	JParrish	6/21/16	728	2510A51	10/17	7.0	7.0	-8.5	P	L
Calibr.	J	J	729	2509A54	9/17	4.0	4.0	170.8	P	L
Calibr.	J	J	730	2510A58	4/17	10.0	10.0	182.7	P	L
ICV	J	J	731	2509A54	9/17	7.0	4.01	169.4	P	L
CCV	J	J	1504	2510A58	9/17	10.0	10.0	183.5	P	L
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 180mV

Depth (Quarterly)

Date of Last Depth Verification 7/1/16

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	JParrish	6/21/16	732	0.000	70.000	P	L

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