

RQ-2017-09-25-55

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: LY 64Project: SMP

- Notes: (1) Report all digits displayed for each measurement. Do not round before reporting measurements.
(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 7/11/17

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.	Drews Litter	9/26/17	730	24.3	8.4	8.4	100	71.7	0.90	☒ F	☒ F
ICV	"	"	732	24.3	8.4	8.3	100	71.7	-	☒ F	☒ F
CCV	"	"	1620	24.0	8.4	8.4	100	71.7	-	☒ F	☒ F
CCV										P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	Drews Litter	7/26/17	734	2703D66	3/19	1000	1000	☒ F	☒ F
ICV	"	"	736	2703G21	3/19	100	102	☒ F	☒ F
CCV	"	"	1622	270D66	3/19	1000	999	☒ F	☒ F
CCV								P / F	L / F

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.	Drews Litter	9/26/17	738	162541	4/18	7.0	7.0	-24.0	☒ F	☒ F
Calibr.			740	173531	5/19	4.0	4.0	53.6	☒ F	☒ F
Calibr.			742	163619	6/18	10.0	10.0	-200.4	☒ F	☒ F
ICV			744	163619	6/18	10.0	10.0	-198.8	☒ F	☒ F
CCV	"	"	1624	173531	5/19	4.0	4.1	145.9	☒ F	☒ F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;mV pH 4 Range $+180 \pm 50$;mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Is meter equipped with depth sensor? ☒ Yes

No

If yes, list date of last quarterly depth verification

7/11/17

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.000 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Drews Litter	9/26/17	746	0.000	0.000	☒ F	☒ F

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

COMMENTS: