

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: 13529

RQ: 2018-01-29-22

Project: SLP Laurel Hill

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (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 1/29/18

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.										P / F	L / F
ICV										P / F	L / F
CCV	J. P. JES	1/29/18	0746	21.4	8.86	8.95	101	-	1.03	(P) F	(C) F
CCV	J. P. JES	1/29/18	1456	19.3	9.22	9.22	100	-	-	(P) F	(C) 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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	J. P. JES	1/29/18	0748	1712123	12/2018	10,000	9997	(P) F	(C) F
ICV	J. P. JES	1/29/18	0749	1710103	12/18	50,000	49266	(P) F	(C) F
CCV	J. P. JES	1/29/18	1458	170624A	2/19	100	99	(P) F	(C) 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.	J. P. JES	1/29/18	0751	2610663	10/18	7.0	7.0	-38.0	(P) F	(C) F
Calibr.			0753	4712981	11/19	4.0	4.0	136.2	(P) F	(C) F
Calibr.			0754	2611A79	5/18	10.0	10.0	-208.9	(P) F	(C) F
ICV			0756	2611A79	5/18	10.0	10.0	-	(P) F	(C) F
CCV	J. P. JES	1/29/18	1500	471298	11/19	4.0	4.1	-	(P) F	(C) F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 174.2 , slope from 4 to 7 174.2 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / ☒ NO If yes, list date of last quarterly depth verification

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass/ Fail	Lab/ Field
Pressure mode in air						P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: