

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 ID: 3NEV

RQ: 2008-0514-90

Project: SMP - CHAR + 102

- 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

03/28/18

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.	M. DUGAN	02/11/18	0703	24.7	8.309	8.33	100			<u>(P)</u> / F	<u>(L)</u> / F
ICV	"	"	0704	24.7	8.309	8.33	100			<u>(P)</u> / F	<u>(L)</u> / F
CCV	N. Reistad	06/11/18	1144	24.9	8.279	8.35	101			<u>(P)</u> / F	<u>(L)</u> / 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 umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	02/11/18	0705	171211A	12/18	10,000	10,000	<u>(P)</u> / F	<u>(L)</u> / F
ICV	"	"	0710	180320	04/19	50,000	49,536	<u>(P)</u> / F	<u>(L)</u> / F
CCV	N. Reistad	06/11/18	1151	180321D	04/19	50,000	48,584	<u>(P)</u> / F	<u>(L)</u> / 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.	M. DUGAN	02/11/18	0712	177435	10/19	7.0	7.0	1.6	<u>(P)</u> / F	<u>(L)</u> / F
Calibr.	"	"	0716	180710	02/20	4.0	4.0	187.0	<u>(P)</u> / F	<u>(L)</u> / F
Calibr.	"	"	0717	178540	12/19	10.0	10.0	783.9	<u>(P)</u> / F	<u>(L)</u> / F
ICV	"	"	0719	178540	12/19	10.0	10.01		<u>(P)</u> / F	<u>(L)</u> / F
CCV	N. Reistad	06/11/18	1654	177435	10/19	7.0	6.97	4.4	<u>(P)</u> / F	<u>(L)</u> / 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 10 185.5, slope from 4 to 7 185.4 (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: