

RA-2016-01-11-27

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

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

Meter ID: Lil GUS

Project: Z6 STGT1604

- 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 3/14/16

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.	TGM WIPICK	4/12/16	0900	23.1	8.6	8.6	100	512	1.08	P	F
ICV				23.2	8.683	8.6	100	512		P	F
CCV			1700	26.4	8.1	7.8	97			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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	TGM WIPICK	4/12/16	0900	260202	2/18	1000	1000	P	F
ICV				2601533	12/17	100	102	P	F
CCV			1700	260202	2/18	1000	1000	P	L
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir Date	pH Buffer SU	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	TGM WIPICK	4/12/16	0900	156651	10/17	7.0	7.0	-38	P	F
Calibr.				158982	1/18	4.0	4.0	148	P	F
Calibr.				156700	10/17	10.0	10.0	-214	P	F
ICV				156700	10/17	10.0	9.9	147	P	F
CCV	TW	11	1700	158982	1/18	4.0	4.1	143	P	L
CCV										

Report pH with one decimal place; 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

Depth (Quarterly)

Date of Last Depth Verification 3/18/16

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	T WIPICK	4/12/16	0900	0.000	0.000	P	F

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