

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

Do not X this box if there is qualified data on this form

Meter ID:

#7

Project:

Large Lakes - Isomagent

RD-2017-05-29-32

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

2/1/17

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Veronica Runge	4/11/17	0700	24.8	8.3	8.3	100	63.5	0.9	P F	L F
ICV	11 11		0705	24.4	8.3	8.3	100	63.5		P F	L F
CCV	Chase Carly		1745	24.7	8.1	8.1	100	63.5		P F	L F
CCV										P F	L F

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 (ET)	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Veronica Runge	4/11/17	0707	161746A	12/17	1000	1000	P F	L F
ICV	11 11		0709	161746B	6/17	100	102	P F	L F
CCV	Chase Carly		1746	2511C38	11/17	50000	49100	P F	L F
CCV								P F	L F

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Veronica Runge	4/11/17	0711	167801	12/18	7.0	7.0	-55.3	P F	L F
Calibr.	11 11		0713	167431	11/18	4.0	4.0	36.0	P F	L F
Calibr.	11 11		0715	165882	9/18	10.0	10.0	-135.6	P F	L F
ICV	11 11		0717	167431	11/18	4.0	4.0	35.3	P F	L F
CCV	Chase Carly		1748	1658					P F	L F
CCV				161260	6/18	10.0	10.3		P F	L F

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 180 mV

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

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

Notes: