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Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000) 11-10-05

Project/Site: Bay Mill APS Date: 6/20/16 Meter # DEP 132237

Temperature (Quarterly) For Date of Last Temperature Verification see in log book

Dissolved Oxygen

DEP SOP FT 1500	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation mg/L (from chart)	Pass or Fail
CAL ICV CCV	NM	6/20/16	0830			8.05	26.0	99.3	8.114	P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV	NM	6/20/16	1600			8.62	22.9	100	8.89	P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV										P

Acceptance Criteria: $\pm 0.3 \text{ mg/L}$

Specific Conductance

DEP SOP FT 1200	Initials	Date	Time	Standard $\mu\text{mhos/cm}$	Exp. Date	Lot #	Bottle #	Cell Constant	Reading $\mu\text{mhos/cm}$	Pass or Fail
CAL ICV CCV	NM	6/20/16	0830	1413	2/13/17	KC16-4			1413	P
CAL ICV CCV				100	1/11/17	251994			109	P
CAL ICV CCV				100	1/11/17	251994			104	P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV										P

Acceptance Criteria: $\pm 5\%$

pH

DEP SOP FT 1100	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	mV / Slope	Reading SU	Pass or Fail
CAL ICV CCV	NM	6/20/16	0830	7	6/1/17	250658			7.0	P
CAL ICV CCV				4	7/1/17	250749			4.0	P
CAL ICV CCV				10	9/1/16	250749			4.00	P
CAL ICV CCV				4	7/1/17	250749			4.00	P
CAL ICV CCV	NM	6/20/16	1600	7	6/1/17	250658		-23.1	6.99	P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV										P

Acceptance Criteria: $\pm 0.2 \text{ SU}$

Maintenance: Weekly pH Slope: _____

Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed: Yes No

Notes:

Perform only in Calibrate Mode: CAL - Calibrate
Perform only in Run Mode: ICV - Initial Calibration Verification
Perform only in Run Mode: CCV - Continuing Calibration Verification

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000) 11-10-05

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Project/Site: RA-2016-06-22 Date: 6/22/16 Meter # DEP 113529

Temperature (Quarterly) For Date of Last Temperature Verification see in log book

Dissolved Oxygen

DEP SOP FT 1500	Initials	Date	Time	Probe Charge	Probe Gain	Temp °C	% DO	Saturation mg/L (from chart)	Pass or Fail
CAL ICV <u>CCV</u>	RA	6/22/16	0842		1.00525	23.5	8.5	8.498	P
CAL ICV <u>CCV</u>	RA	6/23/16	0855			23.6	8.5	8.482	P
CAL ICV CCV									P
CAL ICV CCV									P
CAL ICV CCV									P
CAL ICV CCV									P
CAL ICV CCV									P
CAL ICV CCV									P

Specific Conductance

DEP SOP FT 1200	Initials	Date	Time	Standard $\mu\text{mhos/cm}$	Exp. Date	Lot #	Bottle #	Cell Constant	Reading $\mu\text{mhos/cm}$	Pass or Fail
CAL ICV CCV	RA	6/22/16	0845	1413	2/13/17	16-4			1408-1413	P
CAL ICV <u>CCV</u>	RA	6/22/16	0846	100	11/17	2511994			101	P
CAL ICV <u>CCV</u>	RA	6/23/16	0900	1413	2/13/17	16-4			1409	P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV										P

pH

DEP SOP FT 1100	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	mV / Slope	Reading SU	Pass or Fail
CAL ICV CCV	RA	6/22/16	0825	7	5/17	2506518			7.1-7.0	P
CAL ICV CCV	RA	6/22/16	0826	4	3/13	2603491			4.0-4.0	P
CAL ICV CCV	RA	6/22/16	0828	10	9/16	2503734			9.89-9.98	P
CAL ICV <u>CCV</u>	RA	6/22/16	0835	4	8/18	2603491			4.0	P
CAL ICV <u>CCV</u>	RA	6/23/16	0905	7	5/17	2506618			7.0	P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV										P
CAL ICV CCV										P

Maintenance: Weekly pH Slope: _____

Notes: changed HPH probe at

Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed: Yes No