

Common Test Results For The City of Mobridge (EPA ID: 0215)

Sampler- Mr Kurt Schmaltz Work Phone-(605)845-2072
Title- Water Superintendent
Address- 114 East First Avenue
 Mobridge SD 57601

Location- City: Mobridge County: Walworth
Service Area- Municipality
PWS Owner Type- Local Government
Water Supply Type- Surface Water Supply

Population Served- 3,388 Service Connections- 1,500

Sources for Mobridge

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	MISSOURI RIVER	0000			Permanent	Surface Water	Vulnerable	Treatment At Plant
05	TREATMENT PLANT				Permanent	Treatment Plant	Non-Vulnerable	Coagulation, Softening - Lime Polymers Disinfection - Gas Chlorine Filtration - Mixed Media Corrosion Control - Phosphates Mixing Device Ammoniation - Ammonium Sulfate Recarbonation Sedimentation Taste and Order Control Activated Carbon

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Test Data
(All chemical data are reported in milligrams per liter (mg/l) except pH and Langlier Index)

Source	Type	Date	TDS	Conductance	pH	Alk-M	Alk-P	Na	K	Ca	Mg	Fe	Mn	Cl	SO4	HCO3	CO3	Hardness	Langlier	NO3	F
01	Raw	06/01/94	382	636	8.23	144	0	61	4.9	45.6	18.6	0.21	0.13	6.1	159	176	0	190	+0.59	0.1	0.37
01	Raw	08/26/96	483	630	8.51	154	4	55	4.5	50.5	21.1	0.50	0.05	11.0	176	178	5	213	+0.85	0.2	0.51
01	Raw	09/08/99	433	618	8.37	160	0	60	4.2	51.6	20.7	0.74	0.06	8.0	168	195	0	214	+0.75	0.1	0.49
05	Raw	04/14/03	376	563	8.09	137	0	54	5.2	38.5	17.5	0.51	0.03	9.0	147	167	0	168	+0.29	0.2	0.42
05	Raw	06/02/06	447	693	8.01	169	0	65	5.1	54.4	21.3	0.68	0.12	14.0	175	206	0	223	+0.43	0.1	0.57
05	Raw	06/10/09	267	414	7.83	100	0	38	5.6	28.8	10.5	0.72	0.03	6.0	99	122	0	115	-0.20	0.4	0.26
Averages			398	592	8.17	144	1	56	4.9	44.9	18.3	0.56	0.07	9.0	154	174	1	187		0.2	0.44

Source	Type	Date	TDS	Conductance	pH	Alk-M	Alk-P	Na	K	Ca	Mg	Fe	Mn	Cl	SO4	HCO3	CO3	Hardness	Langlier	NO3	F
01	Treated	06/01/94	364	578	9.84	112	0	62	4.8	38.5	17.3	0.00	0.05	17.2	200	56	0	167	+2.02	0.1	1.38
01	Treated	08/26/96	438	546	8.77	102	5	56	4.6	33.0	20.1	0.06	0.02	14.0	182	112	6	165	+0.76	0.1	1.32
05	Treated	09/08/99	351	520	7.65	73	0	61	4.2	21.7	18.9	0.03	0.02	11.5	169	89	0	132	-0.67	0.1	0.64
05	Treated	04/14/03	315	510	9.46	84	23	52	4.9	21.0	16.6	0.06	0.02	13.0	143	46	28	121	+1.20	0.2	0.99
05	Treated	06/02/06	378	582	9.34	97	24	66	5.1	29.8	18.3	0.03	0.02	15.0	176	60	29	150	+1.28	0.1	0.52
05	Treated	06/10/09	261	412	9.14	98	13	40	5.8	37.3	6.6	0.04	0.02	11.0	90	88	16	120	+1.21	0.4	1.37
05	Treated	05/31/12	405	644	8.62	73	3	75	4.7	27.7	17.3	0.03	0.02	25.0	203	82	4	140	+0.39	0.2	0.47
Averages			359	542	8.97	91	10	59	4.9	29.9	16.4	0.04	0.02	15.2	166	76	12	142		0.2	0.96