

Table 12. Summary of measured constituents and properties for Van Bremer Arroyo near Model, Co., station 07126200

[--, no data or not applicable; L, low; M, medium; H, high; LRL, Lab Reporting Level; *, value is censored, see Definition of Terms for censored value replacement rules; NC, percentiles and medians not calculated or Level of Concern not computed; **, Geometric mean; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, *Escherichia coli*, pH, and water temperature]

Constituent or property	Period (water years)	Number of samples	Number of censored values	Minimum	Median	Maximum	Date of Maximum	15th percentile	85th percentile	Chronic standard or standard	Number of exceedances of chronic standard or standard	Acute standard or standard	Number of exceedances of acute standard or standard	LRL	Level of concern
Instantaneous discharge, in cubic feet per second	1998-2017	147	0	0.040	0.15	205	08/07/13	0.080	0.44	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	15	0	0.10	0.20	0.86	08/01/18	0.14	0.43	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2013-2017	18	0	5.0	7.2	9.3	03/26/13	5.9	8.2	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	8	0	4.2	8.4	9.0	11/30/17	4.6	9.0	5.0	1	--	--	--	H
pH, in standard units	2013-2017	19	0	7.5	7.7	7.9	03/19/14	7.5	7.8	6.5-9.0	0	--	--	--	L
pH, in standard units	2018-2019	8	0	7.4	7.7	7.9	03/20/19	7.4	7.9	6.5-9.0	0	--	--	--	L
pH, laboratory, in standard units	2014-2016	3	0	7.8	NC	8.0	05/25/16	NC	NC	6.5-9.0	0	--	--	0.10	NC
Specific conductance, laboratory, in microsiemens per centimeter	2003-2017	167	0	319	1,960	2,600	04/17/16	1,217	2,280	--	--	.	--	1.0	--
Specific conductance, laboratory, in microsiemens per centimeter	2018-2019	25	0	463	1,730	2,550	05/16/18	1,017	2,444	--	--	.	--	1.0	--
Specific conductance, in microsiemens per centimeter	1998-2017	49	0	1,094	1,980	3,010	05/20/99	1,719	2,228	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	8	0	1,031	2,161	2,441	11/30/17	1,263	2,422	--	--	.	--	--	--
Temperature, water, degrees Celsius	1998-2017	73	0	4.0	18.0	30.9	06/30/99	7.7	24.5	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	10	0	5.6	21.1	23.9	08/01/18	6.5	23.6	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	1998-2017	64	0	6.2	19.6	30.9	06/30/99	11.0	25.0	28.6	1	--	--	--	L
Temperature, water, degrees Celsius March-November	2018-2019	10	0	5.6	21.1	23.9	08/01/18	6.5	23.6	28.6	0	--	--	--	L
Temperature, water, degrees Celsius December-February	2000-2016	9	0	4.0	7.0	9.8	12/09/15	4.3	8.7	14.3	0	--	--	--	L
Dissolved solids dried at 180 degrees C, in milligrams per liter	2013-2017	19	0	796	1,687	2,039	03/22/17	1,339	1,976	--	--	.	--	20.0	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2018-2019	8	0	736	1,731	2,072	11/30/17	940	2,053	--	--	.	--	20.0	--
Dissolved solids, sum of constituents, in milligrams per liter	2016-2017	6	0	1,232	1,673	1,808	03/22/17	1,233	1,803	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	8	0	713	1,623	1,878	04/18/18	899	1,844	--	--	.	--	--	--
Hardness, in milligrams per liter	2013-2017	19	0	426	847	1,007	03/22/17	693	918	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	8	0	423	851	958	11/30/17	516	943	--	--	.	--	--	--
Calcium, in milligrams per liter	2013-2017	19	0	113	180	212	03/22/17	160	199	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	8	0	106	175	197	11/30/17	125	193	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	2013-2017	19	0	34.8	98.9	116	03/22/17	74.2	104	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	8	0	38.2	101	113	11/30/17	49.5	113	--	--	.	--	0.010	--
Potassium, in milligrams per liter	2013-2017	19	0	11.0	12.9	15.4	12/09/15	11.3	14.1	--	--	.	--	0.10	--
Potassium, in milligrams per liter	2018-2019	8	0	10.2	12.8	15.0	05/23/18	10.8	14.5	--	--	.	--	0.30	--
Sodium, in milligrams per liter	2013-2017	19	0	69.0	198	250	03/22/17	156	231	--	--	.	--	0.10	--
Sodium, in milligrams per liter	2018-2019	8	0	65.1	197	241	11/30/17	87.6	240	--	--	.	--	0.40	--
Alkalinity, in milligrams per liter	2016-2017	6	0	251	260	308	03/22/17	251	307	--	--	.	--	4.0	--
Alkalinity, in milligrams per liter	2018-2019	8	0	185	244	306	11/30/17	205	302	--	--	.	--	4.0	--
Chloride, in milligrams per liter	2013-2017	19	0	18.5	35.5	44.4	03/26/13	28.4	39.1	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018-2019	8	0	17.3	37.0	41.4	04/18/18	22.0	40.4	250	0	.	--	0.020	L
Fluoride, in milligrams per liter	2013-2017	19	0	0.42	0.88	1.1	05/19/14	0.77	0.98	--	--	.	--	0.010	--
Fluoride, in milligrams per liter	2018-2019	8	0	0.55	0.92	1.0	06/11/19	0.65	1.00	--	--	.	--	0.010	--

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Constituent or property	Period (water years)	Number of samples	Number of censored values	Minimum	Median	Maximum	Date of Maximum	15th percentile	85th percentile	Chronic standard or standard	Number of exceedances of chronic standard or standard	Acute standard or standard	Number of exceedances of acute standard or standard	LRL	Level of concern
Silica, in milligrams per liter	2013-2017	19	0	6.4	8.0	11.6	08/14/13	6.7	9.9	--	--	.	--	0.018	--
Silica, in milligrams per liter	2018-2019	8	0	6.5	7.8	14.1	08/01/18	6.6	12.6	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	2013-2017	19	0	422	914	1,248	03/26/13	651	1,012	250	19	.	--	0.020	H
Sulfate, in milligrams per liter	2018-2019	8	0	347	934	1,116	04/18/18	466	1,070	250	8	.	--	0.020	H
Ammonia nitrogen, in milligrams per liter	2013-2017	19	4	0 *	0.023	0.061	11/06/13	0 *	0.045	3.02	0	9.96	0	0.010	L
Ammonia nitrogen, in milligrams per liter	2018-2019	8	0	0.010	0.024	0.036	11/30/17	0.012	0.035	2.91	0	10.6	0	0.010	L
Ammonia, unfiltered, in milligrams per liter	2013-2017	19	4	0 *	0.032	0.069	03/19/14	0 *	0.066	--	--	--	--	0.020	--
Ammonia, unfiltered, in milligrams per liter	2018-2019	8	3	0 *	0.025	0.047	11/26/18	0 *	0.045	--	--	--	--	0.020	--
Nitrite plus nitrate, in milligrams per liter	2013-2017	19	18	0 *	0 *	0.059	08/14/13	0 *	0 *	--	--	10.0	0	0.040	--
Nitrite plus nitrate, in milligrams per liter	2018-2019	8	8	0 *	0 *	0 *	11/30/17	0 *	0 *	--	--	10.0	0	0.040	--
Orthophosphate, in milligrams per liter	2013-2017	19	14	0 *	0 *	0.010	08/14/13	0 *	0.006	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter	2018-2019	8	6	0 *	0 *	0.008	03/20/19	0 *	0.007	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter	2013-2017	19	17	0 *	0 *	0.023	08/14/13	0 *	0 *	--	--	--	--	0.020	--
Phosphorus, in milligrams per liter	2018-2019	8	8	0 *	0 *	0 *	11/30/17	0 *	0 *	--	--	--	--	0.020	--
Phosphorus, unfiltered, in milligrams per liter	2013-2017	19	1	0 *	0.013	0.116	08/14/13	0.007	0.025	0.17	0	--	--	0.0040	L
Phosphorus, unfiltered, in milligrams per liter	2018-2019	8	0	0.007	0.011	0.056	08/01/18	0.008	0.049	0.17	0	--	--	0.0040	L
Total nitrogen, unfiltered, in milligrams per liter	2013-2017	19	1	0 *	0.191	0.647	08/14/13	0.142	0.332	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2018-2019	8	0	0.130	0.204	0.660	08/01/18	0.139	0.532	--	--	--	--	0.050	--
<i>Escherichia coli</i> , Defined Substrate Technology, in colonies per 100 milliliters	2013-2017	18	5	1	4	130	08/14/13	--	5 **	126	1	--	--	1	L
<i>Escherichia coli</i> , Defined Substrate Technology, in colonies per 100 milliliters	2018-2019	8	3	1	2	38	06/11/19	--	4 **	126	0	--	--	1	L
Total coliform, Defined Substrate Technology, in colonies per 100 milliliters	2013-2017	18	0	170	505	24,000	09/09/15	210	2,400	--	--	--	--	--	--
Total coliform, Defined Substrate Technology, in colonies per 100 milliliters	2018-2019	8	0	200	695	2,400	05/23/18	251	2,400	--	--	--	--	--	--
Aluminum, in micrograms per liter	2013-2017	19	17	0 *	0 *	18.1	08/14/13	0 *	0 *	1,438	0	10,071	0	3.0	L
Aluminum, in micrograms per liter	2018-2019	8	8	0 *	0 *	0 *	11/30/17	0 *	0 *	1,438	0	10,071	0	3.0	L
Barium, in micrograms per liter	2013-2017	19	0	22.8	34.9	127	08/14/13	23.0	66.2	1,000	0	.	--	0.10	L
Barium, in micrograms per liter	2018-2019	8	0	23.9	31.3	84.5	08/01/18	24.4	70.1	1,000	0	.	--	0.10	L
Beryllium, in micrograms per liter	2013-2017	19	13	0 *	0 *	0.035	11/21/14	0 *	0.025	4.00	0	--	--	0.010	L
Beryllium, in micrograms per liter	2018-2019	8	8	0 *	0 *	0 *	11/30/17	0 *	0 *	4.00	0	--	--	0.010	L
Cadmium, in micrograms per liter	2013-2017	19	17	0 *	0 *	0.023	08/14/13	0 *	0 *	2.0	0	10.0	0	0.030	L
Cadmium, in micrograms per liter	2018-2019	8	8	0 *	0 *	0 *	11/30/17	0 *	0 *	2.0	0	10.0	0	0.030	L
Chromium, in micrograms per liter	2013-2017	19	19	0 *	0 *	0 *	11/26/12	0 *	0 *	231	0	.	--	0.50	L
Chromium, in micrograms per liter	2018-2019	8	8	0 *	0 *	0 *	11/30/17	0 *	0 *	231	0	.	--	0.50	L
Cobalt, in micrograms per liter	2013-2017	19	0	0.51	0.97	1.3	05/19/14	0.52	1.3	--	--	.	--	0.030	--
Cobalt, in micrograms per liter	2018-2019	8	0	0.55	0.88	1.2	08/20/19	0.62	1.2	--	--	.	--	0.030	--
Copper, in micrograms per liter	2013-2017	19	18	0 *	0 *	0.86	08/14/13	0 *	0 *	29.3	0	49.6	0	0.20	L

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Copper, in micrograms per liter	2018-2019	8	8	0 *	0 *	0 *	11/30/17	0 *	0 *	29.3	0	49.6	0	0.40	L
Iron, in micrograms per liter	2013-2017	19	0	18.5	50.3	216	11/06/13	28.1	178	300	0	.	--	10.0	M
Iron, in micrograms per liter	2018-2019	8	0	20.4	50.0	199	11/30/17	25.5	174	300	0	.	--	10.0	M
Lead, in micrograms per liter	2013-2017	19	19	0 *	0 *	0 *	11/26/12	0 *	0 *	10.9	0	281	0	0.020	L
Lead, in micrograms per liter	2018-2019	8	8	0 *	0 *	0 *	11/30/17	0 *	0 *	10.9	0	281	0	0.020	L
Manganese, in micrograms per liter	2013-2017	19	0	48.5	133	267	08/14/13	69.9	189	50.0	18	.	--	0.40	H
Manganese, in micrograms per liter	2018-2019	8	0	58.3	88.4	224	08/01/18	65.6	193	50.0	8	.	--	0.20	H
Molybdenum, in micrograms per liter	2013-2017	19	0	2.61	3.54	5.81	08/14/13	2.92	3.95	210	0	--	--	0.050	L
Molybdenum, in micrograms per liter	2018-2019	8	0	2.75	3.02	5.91	08/01/18	2.79	4.99	210	0	--	--	0.050	L
Nickel, in micrograms per liter	2013-2017	19	0	2.0	2.8	4.5	03/23/15	2.2	3.9	168	0	1,513	0	0.20	L
Nickel, in micrograms per liter	2018-2019	8	0	1.8	2.1	3.3	08/01/18	1.8	3.0	168	0	1,513	0	0.20	L
Silver, in micrograms per liter	2013-2017	19	18	0 *	0 *	0.007	05/20/13	0 *	0 *	3.5	0	22.0	0	1.0	L
Silver, in micrograms per liter	2018-2019	8	8	0 *	0 *	0 *	11/30/17	0 *	0 *	3.5	0	22.0	0	1.0	L
Zinc, in micrograms per liter	2013-2017	19	19	0 *	0 *	0 *	11/26/12	0 *	0 *	428	0	564	0	2.0	L
Zinc, in micrograms per liter	2018-2019	8	8	0 *	0 *	0 *	11/30/17	0 *	0 *	428	0	564	0	2.0	L
Antimony, in micrograms per liter	2013-2017	19	3	0 *	0.073	0.245	08/14/13	0 *	0.128	5.60	0	--	--	0.030	L
Antimony, in micrograms per liter	2018-2019	8	7	0 *	0 *	0.159	11/30/17	0 *	0.103	5.60	0	--	--	0.060	L
Arsenic, in micrograms per liter	2013-2017	19	0	0.57	0.86	1.8	08/14/13	0.72	1.3	--	--	340	0	0.050	--
Arsenic, in micrograms per liter	2018-2019	8	1	0 *	0.82	1.4	08/01/18	0.24	1.3	--	--	340	0	0.10	--
Selenium, in micrograms per liter	2013-2017	19	4	0 *	0.15	3.2	08/14/13	0 *	0.24	4.6	0	18.4	0	0.050	L
Selenium, in micrograms per liter	2018-2019	8	6	0 *	0 *	0.84	08/01/18	0 *	0.66	4.6	0	18.4	0	0.050	L
Uranium (natural), in micrograms per liter	2013-2017	19	0	0.62	1.0	1.4	03/26/13	0.71	1.2	30.0	0	.	--	0.010	L
Uranium (natural), in micrograms per liter	2018-2019	8	0	0.69	0.96	1.4	11/30/17	0.70	1.3	30.0	0	.	--	0.030	L
Suspended sediment, in milligrams per liter	1999-2017	111	0	1	86	22,500	08/07/13	13	668	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2018-2019	26	0	7	52	7,240	07/23/18	12	1,112	--	--	--	--	1.0	--