

Table 6. Summary of measured constituents and properties for Arkansas River near Portland, Co., station 07099200

[--, 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	1999-2017	103	0	102	522	6,750	06/18/15	244	1,724	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	10	0	101	560	3,000	06/26/19	137	2,708	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1999-2017	90	0	6.9	8.5	12.9	04/13/16	7.7	10.8	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	10	0	6.7	8.5	12.1	09/26/19	7.3	10.5	5.0	0	--	--	--	L
pH, in standard units	1999-2017	105	0	7.6	8.3	9.3	08/17/11	8.0	8.7	6.5-9.0	5	--	--	--	L
pH, in standard units	2018-2019	10	0	7.8	8.2	8.9	09/26/19	7.9	8.6	6.5-9.0	0	--	--	--	L
Specific conductance, laboratory, in microsiemens per centimeter	1999-2000	8	0	264	508	644	09/08/00	281	628	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	1999-2017	104	0	126	402	685	09/25/02	217	588	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	10	0	161	333	652	09/18/18	162	619	--	--	.	--	--	--
Temperature, water, degrees Celsius	1999-2017	105	0	7.5	17.5	25.6	07/16/12	13.0	21.1	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	10	0	11.8	18.3	22.4	07/16/18	12.3	21.9	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	1999-2017	104	0	9.1	17.5	25.6	07/16/12	13.4	21.2	28.6	0	--	--	--	L
Temperature, water, degrees Celsius March-November	2018-2019	10	0	11.8	18.3	22.4	07/16/18	12.3	21.9	28.6	0	--	--	--	L
Temperature, water, degrees Celsius December-February	2010	1	0	7.5	NC	7.5	12/01/09	NC	NC	14.3	0	--	--	--	NC
Dissolved solids dried at 180 degrees C, in milligrams per liter	2009-2011	13	0	120	264	405	09/15/10	126	382	--	--	.	--	12.0	--
Dissolved solids, sum of constituents, in milligrams per liter	2009-2011	13	0	103	252	396	09/15/10	119	364	--	--	.	--	--	--
Hardness, in milligrams per liter	2009-2011	13	0	78.8	181	257	09/15/10	82.0	248	--	--	.	--	--	--
Calcium, in milligrams per liter	2009-2011	13	0	22.9	50.5	72.4	09/15/10	24.3	69.2	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	2009-2011	13	0	5.0	13.2	18.6	09/15/10	5.4	18.2	--	--	.	--	0.0080	--
Potassium, in milligrams per liter	2009-2011	13	0	1.0	2.4	3.5	09/15/10	1.2	3.4	--	--	.	--	0.022	--
Sodium, in milligrams per liter	2009-2011	13	0	6.7	18.7	29.0	09/15/10	7.3	28.6	--	--	.	--	0.060	--
Acid neutralizing capacity, in milligrams per liter	2009-2011	13	0	52.8	97.0	144	09/15/10	55.5	140	--	--	.	--	4.0	--
Chloride, in milligrams per liter	2009-2011	13	0	2.5	8.7	11.3	09/15/10	2.8	11.1	250	0	.	--	0.060	L
Fluoride, in milligrams per liter	2009-2011	13	0	0.27	0.57	0.67	09/23/09	0.30	0.63	--	--	.	--	0.040	--
Silica, in milligrams per liter	2010	3	0	6.5	NC	10.4	09/15/10	NC	NC	--	--	.	--	0.10	--
Sulfate, in milligrams per liter	2009-2011	13	0	32.7	99.0	162	09/15/10	38.0	156	250	0	.	--	0.090	M
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	2009-2011	12	0	0.220	0.353	0.477	08/11/09	0.262	0.460	--	--	--	--	0.050	--
Ammonia nitrogen, in milligrams per liter	1999-2017	104	46	0 *	0.005	0.090	03/24/99	0 *	0.020	1.27	0	3.30	0	0.010	L
Ammonia nitrogen, in milligrams per liter	2018-2019	10	6	0 *	0 *	0.080	08/21/18	0 *	0.046	1.50	0	4.09	0	0.010	L
Nitrite plus nitrate, in milligrams per liter	1999-2017	104	4	0 *	0.156	0.605	09/22/10	0.064	0.345	--	--	10.0	0	0.010	--
Nitrite plus nitrate, in milligrams per liter	2018-2019	10	1	0 *	0.139	0.772	08/21/18	0.065	0.650	--	--	10.0	0	0.010	--
Nitrate, in milligrams per liter	2001-2017	96	3	0 *	0.151	0.593	09/22/10	0.067	0.347	--	--	10.0	0	--	--
Nitrate, in milligrams per liter	2018-2019	10	1	0 *	0.137	0.762	08/21/18	0.065	0.642	--	--	10.0	0	--	--
Nitrite nitrogen, in milligrams per liter	2001-2017	96	5	0 *	0.003	0.014	04/12/12	0.002	0.007	--	--	0.50	0	0.0010	--
Nitrite nitrogen, in milligrams per liter	2018-2019	10	3	0 *	0.003	0.017	07/16/18	0 *	0.013	--	--	0.50	0	0.0010	--
Orthophosphate, in milligrams per liter	2001-2017	96	0	0.006	0.024	0.117	08/26/02	0.011	0.049	--	--	--	--	0.0040	--

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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
Orthophosphate, in milligrams per liter	2018-2019	10	0	0.004	0.022	0.122	08/21/18	0.008	0.115	--	--	--	--	0.0040	--
Phosphorus, in milligrams per liter	1999-2017	92	0	0.007	0.033	0.131	08/26/02	0.015	0.060	--	--	--	--	0.0030	--
Phosphorus, in milligrams per liter	2018-2019	10	0	0.011	0.023	0.134	08/21/18	0.013	0.127	--	--	--	--	0.0030	--
Phosphorus, unfiltered, in milligrams per liter	2001-2017	96	0	0.020	0.085	0.854	07/14/17	0.053	0.173	--	--	--	--	0.0040	--
Phosphorus, unfiltered, in milligrams per liter	2018-2019	10	0	0.026	0.208	2.12	07/16/18	0.079	1.01	--	--	--	--	0.0040	--
Total nitrogen, unfiltered, in milligrams per liter	2005-2017	63	0	0.209	0.480	1.67	09/23/14	0.334	0.764	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2018-2019	10	0	0.213	0.459	5.30	07/16/18	0.264	2.49	--	--	--	--	0.050	--
<i>Escherichia coli</i> , Defined Substrate Technology, in colonies per 100 milliliters	2009-2010	4	0	10	NC	56	06/22/10	--	NC**	126	0	--	--	1	NC
Total coliform, Defined Substrate Technology, in colonies per 100 milliliters	2009-2010	4	0	1,500	NC	4,400	07/20/10	NC	NC	--	--	--	--	--	--
Aluminum, in micrograms per liter	2010-2011	6	0	2.2	7.9	29.3	06/22/10	2.2	28.9	1,064	0	7,456	0	1.7	L
Cadmium, in micrograms per liter	2009-2010	4	0	0.018	NC	0.037	06/22/10	NC	NC	1.1	0	4.7	0	0.020	NC
Iron, unfiltered, in micrograms per liter	2010	1	0	6,914	NC	6,914	05/25/10	NC	NC	1,000	1	.	--	9.2	NC
Manganese, in micrograms per liter	2002	1	0	33.3	NC	33.3	07/31/02	NC	NC	50.0	0	.	--	1.6	NC
Zinc, in micrograms per liter	2009-2011	7	2	0 *	1.9	4.8	06/22/10	0 *	4.6	203	0	268	0	1.4	L
Boron, in micrograms per liter	2009	1	0	51.8	NC	51.8	09/02/09	NC	NC	0.75	1	.	--	4.0	NC
Selenium, in micrograms per liter	2009-2011	7	0	0.42	1.1	2.1	09/15/10	0.49	2.0	4.6	0	18.4	0	0.030	L
1,4-Dichlorobenzene, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.040	--
Bromacil, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.36	--
Camphor, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.044	--
Carbaryl, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.16	--
Carbazole, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.030	--
Chlorpyrifos, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.16	--
Diazinon, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.16	--
Metalaxyl, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.12	--
Metolachlor, filtered, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.028	--
DEET, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.060	--
p-Cresol, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.080	--
Prometon, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.12	--
1-Methylnaphthalene, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.022	--
2,6-Dimethylnaphthalene, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.060	--
2-Methylnaphthalene, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.036	--
3-beta-Coprostanol, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	1.8	--
3-Methyl-1H-indole, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.036	--
3-tert-Butyl-4-hydroxyanisole, in micrograms per liter	2011	1	1	0 *	NC	0 *	10/07/10	NC	NC	--	--	--	--	0.60	--
4-Cumylphenol, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.060	--

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4-n-Octylphenol, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.060	--
4-Nonylphenol (sum of all isomers), in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	2.0	--
4-Nonylphenol diethoxylate (sum of all isomers), in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	5.0	--
4-tert-Octylphenol diethoxylate, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	1.0	--
4-tert-Octylphenol monoethoxylate, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	1.0	--
4-tert-Octylphenol, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.14	--
5-Methyl-1H-benzotriazole, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	1.2	--
9,10-Anthraquinone, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.16	--
Acetophenone, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.40	--
Acetyl hexamethyl tetrahydro naphthalene, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.028	--
Anthracene, filtered, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.010	--
Benzo[a]pyrene, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.018	--
Benzophenone, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.080	--
beta-Sitosterol, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	4.0	--
beta-Stigmastanol, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	2.6	--
Caffeine, in micrograms per liter	2010-2011	3	2	0 *	NC	0.028	09/15/10	NC	NC	--	--	--	--	0.060	--
Cholesterol, in micrograms per liter	2010-2011	3	1	0 *	NC	0.820	09/15/10	NC	NC	--	--	--	--	2.0	--
Cotinine, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.80	--
D-Limonene, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.080	--
Fluoranthene, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.024	--
Hexahydrohexamethyl cyclopentabenzopyran, in micrograms per liter	2010-2011	3	1	0 *	NC	0.048	10/07/10	NC	NC	--	--	--	--	0.052	--
Indole, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.080	--
Isoborneol, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.080	--
Isophorone, in micrograms per liter	2010-2011	3	2	0 *	NC	0.014	09/15/10	NC	NC	--	--	--	--	0.032	--
Isopropylbenzene, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.30	--
Isoquinoline, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.046	--
Menthol, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.32	--
Methyl salicylate, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.044	--
Naphthalene, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.040	--
Organic carbon, in milligrams per liter	2001-2017	80	0	1.9	2.6	5.3	09/18/13	2.2	3.4	--	--	.	--	0.23	--
Organic carbon, in milligrams per liter	2018-2019	10	0	2.0	2.2	5.1	07/16/18	2.0	3.8	--	--	.	--	0.23	--
Phenanthrene, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.016	--
Phenol, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.16	--
Pyrene, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.042	--
Tetrachloroethene, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.12	--
Tribromomethane, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.10	--

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Tributyl phosphate, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.16	--
Triclosan, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.20	--
Triethyl citrate, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.16	--
Triphenyl phosphate, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.12	--
Tris(2-butoxyethyl) phosphate, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.80	--
Tris(2-chloroethyl) phosphate, in micrograms per liter	2010-2011	3	2	0 *	NC	0.062	09/15/10	NC	NC	--	--	--	--	0.10	--
Tris(dichloroisopropyl) phosphate, in micrograms per liter	2010-2011	3	3	0 *	NC	0 *	05/25/10	NC	NC	--	--	--	--	0.16	--
Uranium (natural), in micrograms per liter	2009-2011	7	0	1.7	4.8	7.7	09/15/10	1.9	7.5	30.0	0	.	--	0.0040	L