

Table 35. Summary of measured constituents and properties for Fountain Creek near Fountain, Co., station 07106000

[--, 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	313	0	22.0	95.0	7,550	06/07/12	61.1	164	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	48	0	40.0	114	220	03/07/19	69.8	154	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1998-2017	252	0	5.3	8.0	11.3	12/30/03	6.7	9.6	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	24	0	6.6	8.5	11.0	02/07/19	6.9	10.0	5.0	0	--	--	--	L
pH, in standard units	1998-2017	255	0	7.8	8.2	8.5	09/25/07	8.0	8.3	6.5-9.0	0		--	--	L
pH, in standard units	2018-2019	24	0	8.1	8.3	8.5	04/11/18	8.2	8.4	6.5-9.0	0		--	--	L
Specific conductance, laboratory, in microsiemens per centimeter	2008-2013	10	0	522	979	1,286	02/23/10	759	1,124	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1998-2017	311	0	265	935	1,341	02/08/16	784	1,023	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	48	0	758	943	1,429	03/07/19	895	1,003	--	--	.	--	--	--
Temperature, water, degrees Celsius	1998-2017	313	0	1.5	15.1	29.7	07/08/13	7.0	23.9	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	48	0	3.3	14.0	29.8	07/18/18	6.6	23.6	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	1998-2017	244	0	3.6	17.5	29.7	07/08/13	11.2	24.4	28.6	2	--	--	--	L
Temperature, water, degrees Celsius March-November	2018-2019	36	0	5.7	18.6	29.8	07/18/18	10.2	24.2	28.6	1	--	--	--	L
Temperature, water, degrees Celsius December-February	1999-2017	69	0	1.5	6.6	12.0	02/26/08	3.1	9.6	14.3	0	--	--	--	L
Temperature, water, degrees Celsius December-February	2018-2019	12	0	3.3	6.7	8.4	01/24/18	3.5	8.2	14.3	0	--	--	--	L
Turbidity, water, unfiltered, monochrome near infra-red in nephelometric turbidity units	2011-2017	81	0	8.0	30.4	296	06/20/11	15.4	91.5	--	--	.	--	--	--
Turbidity, water, unfiltered, monochrome near infra-red in nephelometric turbidity units	2018-2019	24	0	6.1	17.2	50.5	03/07/19	9.6	34.5	--	--	.	--	--	--
Biochemical oxygen demand, unfiltered, 5 days at 20 degrees Celsius, in milligrams per liter	1998-2008	43	11	0 *	2.1	12.0	05/23/06	0 *	5.6	--	--	.	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2004-2014	54	0	316	619	762	09/26/11	551	659	--	--	.	--	20.0	--
Hardness, in milligrams per liter	1998-2017	65	0	125	281	353	06/25/01	233	321	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	24	0	229	284	299	08/10/18	267	296	--	--	.	--	--	--
Calcium, in milligrams per liter	1998-2017	65	0	35.8	73.2	95.7	06/25/01	59.9	82.4	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	24	0	60.3	73.9	78.2	03/07/19	69.1	76.9	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1998-2017	65	0	8.7	23.5	29.1	12/10/01	18.6	27.7	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	24	0	18.8	23.9	26.8	04/11/18	22.5	25.6	--	--	.	--	0.010	--
Alkalinity, in milligrams per liter	2017	1	0	129	NC	129	07/06/17	NC	NC	--	--	.	--	4.0	--
Alkalinity, in milligrams per liter	2018	3	0	128	NC	146	10/05/17	NC	NC	--	--	.	--	4.0	--
Alkalinity, inflection-point titration, in milligrams per liter	2013-2017	15	0	67.5	125	173	10/21/13	103	143	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2018-2019	5	0	125	NC	138	10/16/18	NC	NC	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2013-2017	15	0	81.9	150	205	10/21/13	123	173	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2018-2019	5	0	152	NC	168	10/16/18	NC	NC	--	--	.	--	--	--
Carbonate, in milligrams per liter	2013-2017	12	0	0.20	0.90	2.4	10/21/13	0.20	1.8	--	--	.	--	--	--
Carbonate, in milligrams per liter	2018-2019	5	0	0.20	NC	0.50	07/03/18	NC	NC	--	--	.	--	--	--
Fluoride, in milligrams per liter	1998-2013	74	0	0.54	1.5	2.0	06/25/98	1.3	1.8	--	--	.	--	0.040	--

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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
Sulfate, in milligrams per liter	1998-2013	73	0	58.1	234	320	06/24/02	173	270	250	22	.	--	0.090	H
Ammonia nitrogen, in milligrams per liter	1998-2013	71	7	0 *	0.022	0.674	11/27/00	0.009	0.176	1.49	0	3.99	0	0.010	L
Ammonia, unfiltered, in milligrams per liter	2011-2017	81	18	0 *	0.031	0.492	02/11/14	0 *	0.087	--	--	--	--	0.020	--
Ammonia, unfiltered, in milligrams per liter	2018-2019	24	15	0 *	0 *	0.396	03/07/18	0 *	0.253	--	--	--	--	0.020	--
Nitrite plus nitrate, in milligrams per liter	1998-2013	74	0	0.994	3.66	5.40	02/23/09	2.36	4.60	--	--	10.0	0	0.040	--
Orthophosphate, in milligrams per liter	1999-2013	70	0	0.066	0.514	1.29	02/26/08	0.258	0.989	--	--	--	--	0.0040	--
Phosphorus, unfiltered, in milligrams per liter	1999-2017	127	0	0.268	0.631	11.0	06/07/12	0.418	1.14	--	--	--	--	0.0040	--
Phosphorus, unfiltered, in milligrams per liter	2018-2019	24	0	0.317	0.460	0.809	03/07/19	0.348	0.559	--	--	--	--	0.0040	--
Total nitrogen, unfiltered, in milligrams per liter	2011-2017	68	0	2.21	5.22	10.8	06/07/12	3.71	6.93	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2018-2019	24	0	3.93	5.79	7.71	02/07/19	4.59	7.49	--	--	--	--	0.050	--
<i>Escherichia coli</i> , Defined Substrate Technology, in colonies per 100 milliliters	2008-2017	135	1	1	48	19,000	07/21/09	--	66 **	126	42	--	--	1	L
<i>Escherichia coli</i> , Defined Substrate Technology, in colonies per 100 milliliters	2018-2019	48	0	5	40	460	07/16/19	--	40 **	126	7	--	--	1	L
<i>Escherichia coli</i> , in colonies per 100 milliliters	2001-2008	36	1	1	81	5,600	05/23/06	--	76 **	126	15	--	--	1	L
Fecal coliform, M-FC MF, in colonies per 100 milliliters	1998-2008	51	0	2	110	4,700	05/23/06	12	848	--	--	--	--	--	--
Fecal streptococci, in colonies per 100 milliliters	1998-2000	11	0	25	130	2,500	08/19/98	26	2,500	--	--	--	--	--	--
Total coliform, Defined Substrate Technology, in colonies per 100 milliliters	2008-2017	135	0	93	2,400	240,000	07/21/09	532	16,600	--	--	--	--	--	--
Total coliform, Defined Substrate Technology, in colonies per 100 milliliters	2018-2019	48	0	310	2,400	24,000	06/06/19	838	9,930	--	--	--	--	--	--
Aluminum, in micrograms per liter	1998-2000	14	0	6.4	9.2	14.4	06/21/99	6.5	13.1	1,438	0	10,071	0	--	L
Aluminum, unfiltered, in micrograms per liter	1999-2001	12	0	358	1,065	3,810	08/16/99	632	3,440	1,438	4	10,071	0	--	M
Cadmium, in micrograms per liter	1998-2017	63	9	0 *	0.086	0.17	08/06/01	0.026	0.13	1.6	0	7.4	0	0.030	L
Cadmium, in micrograms per liter	2018-2019	24	8	0 *	0.074	0.11	05/09/18	0 *	0.098	1.6	0	7.4	0	0.030	L
Cadmium, unfiltered, in micrograms per liter	1998-2003	29	2	0 *	0.21	0.90	08/19/98	0.15	0.30	--	--	.	--	--	--
Chromium, in micrograms per liter	1998-2014	34	17	0 *	0.060	5.4	06/25/01	0 *	2.6	177	0	.	--	0.30	L
Chromium, unfiltered, in micrograms per liter	1998-2017	59	6	0 *	1.8	9.7	08/19/98	0.63	3.3	--	--	.	--	0.50	--
Chromium, unfiltered, in micrograms per liter	2018-2019	24	1	0 *	0.90	3.0	03/07/19	0.63	1.3	--	--	.	--	0.50	--
Copper, in micrograms per liter	1998-2017	62	0	0.83	2.4	6.2	04/15/02	1.8	4.0	22.2	0	36.6	0	0.20	L
Copper, in micrograms per liter	2018-2019	24	1	0 *	2.4	2.9	07/03/18	2.0	2.6	22.2	0	36.6	0	0.40	L
Copper, unfiltered, in micrograms per liter	1998-2017	64	0	3.1	5.9	64.4	07/21/09	3.9	10.9	--	--	.	--	0.20	--
Copper, unfiltered, in micrograms per liter	2018-2019	24	0	3.2	3.9	7.5	03/07/19	3.4	4.9	--	--	.	--	0.40	--
Iron, in micrograms per liter	1998-2003	29	24	0 *	0 *	16.0	04/02/01	0 *	12.5	300	0	.	--	--	L
Iron, unfiltered, in micrograms per liter	1998-2017	64	0	307	1,575	15,490	05/15/15	738	4,431	1,000	46	.	--	10.0	H
Iron, unfiltered, in micrograms per liter	2018-2019	24	0	372	870	2,781	03/07/19	474	1,595	1,000	6	.	--	5.0	M
Lead, in micrograms per liter	1998-2017	63	2	0 *	0.18	0.68	01/10/17	0.098	0.35	7.8	0	201	0	0.020	L
Lead, in micrograms per liter	2018-2019	24	1	0 *	0.14	0.21	01/10/18	0.11	0.17	7.8	0	201	0	0.020	L
Lead, unfiltered, in micrograms per liter	1998-2009	32	0	0.85	3.1	91.6	07/21/09	1.8	7.6	--	--	50.0	3	0.10	--

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Manganese, in micrograms per liter	1998-2017	107	0	0.62	6.2	41.7	01/10/17	3.0	13.0	50.0	0	.	--	0.40	L
Manganese, in micrograms per liter	2018-2019	24	0	2.4	5.2	31.1	06/07/18	2.7	17.2	50.0	0	.	--	0.40	L
Manganese, unfiltered, in micrograms per liter	1998-2013	73	0	18.4	64.9	4,612	06/07/12	33.1	214	--	--	.	--	0.40	--
Mercury, in micrograms per liter	1998-2003	25	24	0 *	0 *	0 *	04/01/98	0 *	0 *	--	25	.	--	0.018	--
Mercury, unfiltered, in micrograms per liter	1998-2003	21	18	0 *	0 *	0.014	03/04/02	0 *	0.003	0.010	1	.	--	0.018	L
Nickel, in micrograms per liter	1998-2017	63	0	1.0	3.8	12.5	12/07/98	2.1	6.8	128	0	1,152	0	0.20	L
Nickel, in micrograms per liter	2018-2019	24	0	2.0	2.5	3.7	06/07/18	2.1	3.4	128	0	1,152	0	0.20	L
Nickel, unfiltered, in micrograms per liter	1998-2017	65	0	2.8	5.8	37.1	07/21/09	3.3	9.9	100	0	.	--	0.20	L
Nickel, unfiltered, in micrograms per liter	2018-2019	24	0	2.7	3.2	4.9	06/07/18	2.8	4.0	100	0	.	--	0.20	L
Silver, in micrograms per liter	1998-2003	30	29	0 *	0 *	0.080	11/04/02	0 *	0 *	2.0	0	12.7	0	--	L
Silver, unfiltered, in micrograms per liter	1998-2003	30	23	0 *	0 *	1.3	06/19/00	0 *	0.11	--	--	.	--	--	--
Zinc, in micrograms per liter	1998-2017	65	1	0 *	17.1	30.0	02/22/99	8.9	25.0	319	0	421	0	2.0	L
Zinc, in micrograms per liter	2018-2019	24	1	0 *	19.2	28.9	02/07/19	10.4	28.2	319	0	421	0	2.0	L
Zinc, unfiltered, in micrograms per liter	1998-2009	32	0	21.0	34.0	306	07/21/09	24.0	44.2	--	--	.	--	2.0	--
Arsenic, in micrograms per liter	1998-2017	63	0	0.74	1.5	4.0	08/06/01	0.95	2.3	--	--	340	0	0.050	--
Arsenic, in micrograms per liter	2018-2019	24	0	0.65	0.94	1.6	08/06/19	0.68	1.4	--	--	340	0	0.10	--
Arsenic, unfiltered in micrograms per liter	1998-2017	65	0	1.1	2.5	15.4	08/06/01	1.8	3.9	10.0	2	.	--	0.050	L
Arsenic, unfiltered in micrograms per liter	2018-2019	24	0	0.98	1.4	2.3	06/07/18	1.1	1.9	10.0	0	.	--	0.10	L
Boron, in micrograms per liter	1998-2009	32	0	75.8	214	253	03/04/02	122	235	0.75	32	.	--	4.0	H
Boron, unfiltered, in micrograms per liter	1998-2009	32	0	80.7	213	248	03/04/02	118	236	0.75	32	.	--	14.0	H
Cyanide, unfiltered, in milligrams per liter	1999-2003	24	24	0 *	0 *	0 *	10/21/98	0 *	0 *	--	--	.	--	--	--
Selenium, in micrograms per liter	1998-2017	147	0	1.5	3.8	10.4	12/07/98	3.0	7.0	4.6	43	18.4	0	0.050	H
Selenium, in micrograms per liter	2018-2019	24	0	2.9	3.8	4.6	02/07/19	3.2	4.3	4.6	0	18.4	0	0.050	M
Selenium, unfiltered, in micrograms per liter	1998-2017	106	0	2.0	3.7	11.7	08/14/00	3.0	8.2	--	--	.	--	0.050	--
Selenium, unfiltered, in micrograms per liter	2018-2019	24	0	2.9	3.9	4.6	01/30/19	3.4	4.4	--	--	.	--	0.050	--
Suspended sediment, in milligrams per liter	2000-2013	59	0	18	97	17,200	06/07/12	30	419	--	--	--	--	1.0	--