

Table 9. Summary of measured constituents and properties for Arkansas River near Avondale, Co., station 07109500

[--, 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	1990-2017	366	0	103	488	6,910	06/23/15	284	1,410	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	53	0	187	504	3,675	06/13/19	251	1,209	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	1990-2017	277	0	5.8	8.8	13.0	02/12/13	7.2	11.2	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	29	0	7.2	9.2	12.0	12/04/18	7.8	11.0	5.0	0	--	--	--	L
pH, in standard units	1990-2017	309	0	7.6	8.2	8.8	03/28/91	8.0	8.4	6.5-9.0	0		--	--	L
pH, in standard units	2018-2019	29	0	8.0	8.3	8.5	02/08/19	8.2	8.4	6.5-9.0	0		--	--	L
pH, laboratory, in standard units	1990-2003	51	0	7.6	8.1	8.5	04/15/91	7.9	8.3	6.5-9.0	0		--	0.10	L
Specific conductance, laboratory, in microsiemens per centimeter	1990-2017	57	0	430	820	1,270	12/17/02	597	1,064	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1990-2017	802	0	203	808	1,310	03/08/05	570	1,050	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	53	0	337	811	1,272	01/25/18	585	1,064	--	--	.	--	--	--
Temperature, water, degrees Celsius	1990-2017	362	0	0.0	13.5	28.0	07/24/06	4.4	21.1	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	53	0	2.6	12.0	26.7	08/06/18	4.5	21.2	--	--	--	--	--	--
Temperature, water, degrees Celsius January-November	1990-2017	329	0	0.0	14.5	28.0	07/24/06	5.9	21.4	28.6	0	--	--	--	L
Temperature, water, degrees Celsius January-November	2018-2019	49	0	2.6	14.9	26.7	08/06/18	4.7	21.3	28.6	0	--	--	--	L
Temperature, water, degrees Celsius December	1990-2017	33	0	0.1	3.8	8.5	12/05/89	2.4	6.1	21.5	0	--	--	--	L
Temperature, water, degrees Celsius December	2018-2019	4	0	4.2	NC	7.8	12/18/18	NC	NC	21.5	0	--	--	--	NC
Turbidity, water, unfiltered, monochrome near infra-red in nephelometric turbidity units	2011-2017	82	0	11.6	34.8	577	08/14/15	20.3	92.5	--	--	.	--	--	--
Turbidity, water, unfiltered, monochrome near infra-red in nephelometric turbidity units	2018-2019	24	0	12.3	34.0	66.6	06/05/19	24.4	56.1	--	--	.	--	--	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	1990-2017	117	0	167	582	983	03/08/05	363	716	--	--	.	--	20.0	--
Dissolved solids dried at 180 degrees C, in milligrams per liter	2018-2019	8	0	269	647	749	02/08/19	292	748	--	--	.	--	20.0	--
Dissolved solids, sum of constituents, in milligrams per liter	1991-2017	47	0	230	560	958	12/12/06	324	715	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018	3	0	376	NC	713	11/30/17	NC	NC	--	--	.	--	--	--
Hardness, in milligrams per liter	1990-2017	80	0	149	323	527	03/08/05	215	410	--	--	.	--	--	--
Hardness, in milligrams per liter	2018	3	0	234	NC	407	11/30/17	NC	NC	--	--	.	--	--	--
Calcium, in milligrams per liter	1990-2017	80	0	40.5	83.9	133	03/08/05	58.8	103	--	--	.	--	0.050	--
Calcium, in milligrams per liter	2018	3	0	62.9	NC	104	11/30/17	NC	NC	--	--	.	--	0.050	--
Magnesium, in milligrams per liter	1990-2017	80	0	11.5	27.0	47.1	03/08/05	16.9	36.3	--	--	.	--	0.0010	--
Magnesium, in milligrams per liter	2018	3	0	18.4	NC	35.4	11/30/17	NC	NC	--	--	.	--	0.0010	--
Potassium, in milligrams per liter	1991-2017	50	0	1.9	4.3	5.6	03/08/05	2.9	4.9	--	--	.	--	0.10	--
Potassium, in milligrams per liter	2018	3	0	2.9	NC	5.7	02/28/18	NC	NC	--	--	.	--	0.10	--
Sodium, in milligrams per liter	1990-2017	72	0	18.9	53.5	102	03/08/05	29.7	77.0	--	--	.	--	0.010	--
Sodium, in milligrams per liter	2018	3	0	29.5	NC	73.0	11/30/17	NC	NC	--	--	.	--	0.010	--
Acid neutralizing capacity, in milligrams per liter	1990-2010	35	0	102	144	175	12/17/90	117	165	--	--	.	--	8.0	--
Alkalinity, inflection-point titration, in milligrams per liter	2004-2017	34	0	82.3	133	166	03/08/05	106	154	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2018	3	0	125	NC	147	11/30/17	NC	NC	--	--	.	--	--	--

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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
Bicarbonate, in milligrams per liter	2007-2017	22	0	100	169	756	12/12/06	121	188	--	--	.	--	--	--
Bromide, in micrograms per liter	2017	3	0	0.065	NC	0.139	02/23/17	NC	NC	--	--	--	--	0.010	--
Bromide, in micrograms per liter	2018	3	0	0.051	NC	0.137	02/28/18	NC	NC	--	--	--	--	0.010	--
Carbonate, in milligrams per liter	2008-2017	16	0	0.40	0.85	1.7	12/13/07	0.56	1.4	--	--	.	--	--	--
Chloride, in milligrams per liter	1990-2017	72	0	8.0	23.0	53.8	03/10/03	11.0	37.7	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018	3	0	14.6	NC	48.2	02/28/18	NC	NC	250	0	.	--	0.020	NC
Fluoride, in milligrams per liter	1991-2012	54	0	0.44	0.92	1.3	03/10/03	0.60	1.1	--	--	.	--	0.040	--
Silica, in milligrams per liter	1992-2017	7	0	5.4	9.3	12.2	08/22/17	5.9	11.7	--	--	.	--	0.040	--
Silica, in milligrams per liter	2018	3	0	6.5	NC	10.4	11/30/17	NC	NC	--	--	.	--	0.040	--
Sulfate, in milligrams per liter	1990-2017	85	0	99.7	258	438	03/08/05	150	333	329	15	.	--	0.020	H
Sulfate, in milligrams per liter	2018	3	0	163	NC	341	11/30/17	NC	NC	329	1	.	--	0.020	NC
Ammonia plus organic nitrogen, unfiltered, in milligrams per liter	2002	2	0	0.712	NC	0.791	08/27/02	NC	NC	--	--	--	--	0.10	--
Ammonia nitrogen, in milligrams per liter	1993-2017	41	13	0 *	0.031	0.480	01/14/93	0 *	0.098	1.37	0	3.53	0	0.010	L
Ammonia nitrogen, in milligrams per liter	2018-2019	8	4	0 *	0.012	0.033	06/13/19	0 *	0.033	1.22	0	3.00	0	0.010	L
Ammonia, unfiltered, in milligrams per liter	1990-2017	109	41	0 *	0.029	0.916	01/25/11	0 *	0.140	--	--	--	--	0.020	--
Ammonia, unfiltered, in milligrams per liter	2018-2019	24	18	0 *	0 *	0.100	03/12/19	0 *	0.029	--	--	--	--	0.020	--
Nitrite plus nitrate, in milligrams per liter	1993-2017	44	1	0 *	1.40	3.90	03/01/99	0.589	2.72	--	--	10.0	0	0.040	--
Nitrite plus nitrate, in milligrams per liter	2018-2019	11	0	0.459	2.90	3.47	02/01/18	0.536	3.42	--	--	10.0	0	0.040	--
Nitrate plus nitrite, unfiltered, in milligrams per liter	1990-1993	28	0	0.500	1.55	3.60	12/17/91	0.667	3.07	--	--	--	--	--	--
Nitrate, in milligrams per liter	2002-2017	5	0	1.15	NC	2.80	02/23/17	NC	NC	--	--	10.0	0	--	--
Nitrate, in milligrams per liter	2018	3	0	0.738	NC	3.40	02/28/18	NC	NC	--	--	10.0	0	--	--
Nitrite nitrogen, in milligrams per liter	2002-2017	5	0	0.003	NC	0.095	08/27/02	NC	NC	--	--	0.05	1	0.0010	--
Nitrite nitrogen, in milligrams per liter	2018	3	0	0.003	NC	0.010	02/28/18	NC	NC	--	--	0.05	0	0.0010	--
Nitrite, unfiltered, in milligrams per liter	1991	2	0	0.020	NC	0.080	12/17/90	NC	NC	--	--	--	--	--	--
Orthophosphate, in milligrams per liter	1998-2017	39	0	0.005	0.070	0.215	03/05/01	0.026	0.151	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter	2018-2019	8	0	0.019	0.078	0.142	12/04/18	0.020	0.128	--	--	--	--	0.0040	--
Orthophosphate, unfiltered, in milligrams per liter	1991	2	0	0.320	NC	0.430	12/17/90	NC	NC	--	--	--	--	--	--
Phosphorus, in milligrams per liter	1998-2001	14	0	0.038	0.123	0.226	03/05/01	0.041	0.199	--	--	--	--	--	--
Phosphorus, unfiltered, in milligrams per liter	1990-2017	49	1	0 *	0.231	5.66	08/05/13	0.133	0.507	--	--	--	--	0.020	--
Phosphorus, unfiltered, in milligrams per liter	2018-2019	8	0	0.083	0.175	0.236	12/04/18	0.105	0.226	--	--	--	--	0.020	--
Total nitrogen, unfiltered, in milligrams per liter	2012-2017	23	0	0.766	2.19	5.82	08/05/13	0.899	3.25	--	--	--	--	0.050	--
Total nitrogen, unfiltered, in milligrams per liter	2018-2019	8	0	0.794	2.60	3.88	02/01/18	0.815	3.75	--	--	--	--	0.050	--
<i>Escherichia coli</i> , Defined Substrate Technology, in colonies per 100 milliliters	2010-2017	121	0	2	41	2,800	08/05/13	--	57 **	126	37	--	--	1	L
<i>Escherichia coli</i> , Defined Substrate Technology, in colonies per 100 milliliters	2018-2019	48	0	5	41	730	06/19/19	--	41 **	126	8	--	--	1	L
<i>Escherichia coli</i> , in colonies per 100 milliliters	2002-2008	14	0	10	64	800	09/07/05	--	57 **	126	4	--	--	1	L

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Fecal coliform, M-FC MF, in colonies per 100 milliliters	1990-2002	24	3	0 *	28	460	08/20/90	1	298	--	--	--	--	--	--
Fecal streptococci, in colonies per 100 milliliters	1990-1993	22	0	6	101	1,040	06/10/91	17	656	--	--	--	--	--	--
Total coliform, Defined Substrate Technology, in colonies per 100 milliliters	2010-2017	121	0	150	2,400	140,000	08/14/15	469	16,700	--	--	--	--	--	--
Total coliform, Defined Substrate Technology, in colonies per 100 milliliters	2018-2019	48	0	340	2,400	24,000	08/22/18	638	10,370	--	--	--	--	--	--
Barium, in micrograms per liter	2017	3	0	59.0	NC	107	02/23/17	NC	NC	1,000	0	.	--	0.010	NC
Barium, in micrograms per liter	2018	3	0	46.7	NC	63.6	11/30/17	NC	NC	1,000	0	.	--	0.010	NC
Beryllium, in micrograms per liter	2017	3	3	0 *	NC	0 *	02/23/17	NC	NC	4.00	0	--	--	0.10	NC
Beryllium, in micrograms per liter	2018	3	3	0 *	NC	0 *	11/30/17	NC	NC	4.00	0	--	--	0.10	NC
Cadmium, in micrograms per liter	1990-1993	24	19	0 *	0 *	0.50	05/20/91	0 *	0.20	1.9	0	9.3	0	--	L
Cadmium, unfiltered, in micrograms per liter	1990-1993	23	21	0 *	0 *	1.0	04/10/90	0 *	0 *	--	--	.	--	--	--
Chromium, in micrograms per liter	1990-1993	24	23	0 *	0 *	2.0	06/10/91	0 *	0 *	217	0	.	--	--	L
Chromium, unfiltered, in micrograms per liter	1990-1993	23	9	0 *	2.0	13.0	07/22/91	0 *	8.0	--	--	.	--	--	--
Cobalt, in micrograms per liter	2017	3	0	0.29	NC	0.51	05/24/17	NC	NC	--	--	.	--	0.010	--
Cobalt, in micrograms per liter	2018	3	0	0.21	NC	0.68	11/30/17	NC	NC	--	--	.	--	0.010	--
Copper, in micrograms per liter	1990-1993	24	2	0 *	2.0	16.0	06/16/92	1.0	3.3	27.5	0	46.3	0	--	L
Copper, unfiltered, in micrograms per liter	1990-1993	22	0	2.0	6.0	46.0	06/16/92	3.0	18.9	--	--	.	--	--	--
Iron, in micrograms per liter	1990-2017	37	13	0 *	6.0	48.0	02/23/17	0 *	18.0	300	0	.	--	20.0	L
Iron, in micrograms per liter	2018	3	3	0 *	NC	0 *	11/30/17	NC	NC	300	0	.	--	20.0	NC
Iron, unfiltered, in micrograms per liter	1990-2000	29	0	610	1,900	11,400	04/26/99	935	7,050	2,800	13	.	--	--	M
Lead, in micrograms per liter	1990-1993	23	22	0 *	0 *	0.50	05/18/92	0 *	0 *	10.1	0	260	0	--	L
Lead, unfiltered, in micrograms per liter	1990-1993	22	0	1.0	4.5	45.0	07/22/91	2.0	26.0	--	--	50.0	0	--	--
Lithium, in micrograms per liter	2017	3	0	20.8	NC	37.0	02/23/17	NC	NC	--	--	--	--	0.10	--
Lithium, in micrograms per liter	2018	3	0	19.4	NC	44.3	11/30/17	NC	NC	--	--	--	--	0.10	--
Manganese, in micrograms per liter	1990-2017	43	6	0 *	5.0	71.1	08/27/02	1.2	12.4	50.0	1	.	--	0.50	L
Manganese, in micrograms per liter	2018	3	0	2.3	NC	13.2	02/28/18	NC	NC	50.0	0	.	--	0.50	NC
Manganese, unfiltered, in micrograms per liter	1990-2001	37	0	50.0	120	537	08/09/99	67.9	234	--	--	.	--	--	--
Mercury, in micrograms per liter	1990-2017	9	9	0 *	0 *	0 *	06/12/90	0 *	0 *	--	9	.	--	5.0	--
Mercury, in micrograms per liter	2018	3	3	0 *	NC	0 *	11/30/17	NC	NC	--	3	.	--	5.0	--
Mercury, unfiltered, in micrograms per liter	1990-1992	6	5	0 *	0 *	0.10	09/04/91	0 *	0.095	0.010	1	.	--	--	L
Molybdenum, in micrograms per liter	2017	3	0	5.50	NC	6.60	02/23/17	NC	NC	210	0	--	--	0.10	NC
Molybdenum, in micrograms per liter	2018	3	0	5.30	NC	6.40	11/30/17	NC	NC	210	0	--	--	0.10	NC
Nickel, in micrograms per liter	1990-2017	27	2	0 *	2.0	270	02/23/17	1.0	3.0	158	1	1,422	0	0.10	L
Nickel, in micrograms per liter	2018	3	0	5.2	NC	8.7	11/30/17	NC	NC	158	0	1,422	0	0.10	NC
Nickel, unfiltered, in micrograms per liter	1990-1993	20	0	2.0	5.0	27.0	07/22/91	3.0	9.7	100	0	.	--	--	L
Silver, in micrograms per liter	1990-1993	24	22	0 *	0 *	1.0	12/17/90	0 *	0 *	3.1	0	19.4	0	--	L
Silver, unfiltered, in micrograms per liter	1990-1993	24	23	0 *	0 *	1.0	06/12/90	0 *	0 *	--	--	.	--	--	--

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Strontium, in micrograms per liter	2017	3	0	720	NC	1,150	02/23/17	NC	NC	--	--	--	--	0.020	--
Strontium, in micrograms per liter	2018	3	0	678	NC	1,160	11/30/17	NC	NC	--	--	--	--	0.020	--
Vanadium, in micrograms per liter	2017	3	0	1.10	NC	1.70	08/22/17	NC	NC	--	--	--	--	0.50	--
Vanadium, in micrograms per liter	2018	3	0	0.900	NC	1.00	02/28/18	NC	NC	--	--	--	--	0.50	--
Zinc, in micrograms per liter	1990-1993	24	11	0 *	3.5	11.0	12/17/90	0 *	7.5	400	0	528	0	--	L
Zinc, unfiltered, in micrograms per liter	1990-1993	23	5	0 *	20.0	100	07/22/91	0 *	64.0	--	--	.	--	--	--
Antimony, in micrograms per liter	2017	3	3	0 *	NC	0 *	02/23/17	NC	NC	5.60	0	--	--	2.0	NC
Antimony, in micrograms per liter	2018	3	3	0 *	NC	0 *	11/30/17	NC	NC	5.60	0	--	--	2.0	NC
Arsenic, in micrograms per liter	1990-2017	9	3	0 *	1.0	2.0	08/20/90	0 *	2.0	--	--	340	0	1.0	--
Arsenic, in micrograms per liter	2018	3	3	0 *	NC	0 *	11/30/17	NC	NC	--	--	340	0	1.0	--
Arsenic, unfiltered in micrograms per liter	1990-1992	6	0	1.0	2.0	4.0	09/04/91	1.1	4.0	10.0	0	.	--	--	L
Boron, in micrograms per liter	2010-2017	5	0	60.0	NC	145	11/16/09	NC	NC	0.75	5	.	--	5.0	NC
Boron, in micrograms per liter	2018	3	0	47.0	NC	137	11/30/17	NC	NC	0.75	3	.	--	5.0	NC
Selenium, in micrograms per liter	1990-2017	140	0	2.8	10.2	34.0	03/08/05	5.9	14.4	14.1	24	19.1	3	0.050	H
Selenium, in micrograms per liter	2018-2019	29	0	3.4	11.9	17.8	02/01/18	7.3	16.4	14.1	8	19.1	0	0.050	H
Selenium, unfiltered, in micrograms per liter	1990-2008	44	0	3.1	10.1	36.7	03/08/05	6.4	16.4	--	--	.	--	0.080	--
1,4-Dichlorobenzene, in micrograms per liter	2002-2011	3	2	0 *	NC	0.200	08/27/02	NC	NC	--	--	--	--	0.040	--
1-Naphthol, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
2,4,5-T, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
2,4-D, unfiltered, in micrograms per liter	1990-1992	5	0	0.010	NC	0.330	09/04/91	NC	NC	--	--	--	--	--	--
2,6-Diethylaniline, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0060	--
2-Chloro-4-isopropylamino-6-amino-s-triazine, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0060	--
2-Chloro-4-isopropylamino-6-amino-s-triazine, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
2-Chloro-6-ethylamino-4-amino-s-triazine, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
3-Hydroxy carbofuran, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Acetochlor, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0060	--
Alachlor, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0045	--
Alachlor, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Aldicarb sulfone, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Aldicarb sulfoxide, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Aldicarb, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Aldrin, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
alpha-Endosulfan, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
alpha-HCH, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0046	--
Ametryn, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--

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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
Atrazine, in micrograms per liter	2002	1	0	0.0060	NC	0.0060	07/24/02	NC	NC	--	--	--	--	0.0070	--
Atrazine, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Azinphos-methyl, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.050	--
Benfluralin, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.010	--
Bromacil, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.36	--
Bromacil, unfiltered, in micrograms per liter	1991-1992	4	3	0 *	NC	0.700	09/04/91	NC	NC	--	--	--	--	--	--
Butachlor, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Butylate, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0020	--
Butylate, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Camphor, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.044	--
Carbaryl, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.16	--
Carbaryl, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Carbazole, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.030	--
Carbofuran, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.020	--
Carbofuran, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Carbophenothion, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Carboxin, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Chlordane (technical), unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Chlorpyrifos, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.16	--
Chlorpyrifos, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
cis-Permethrin, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0060	--
Cyanazine, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.018	--
Cyanazine, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Cycloate, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
DCPA, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0030	--
Diazinon, in micrograms per liter	2002-2011	3	2	0 *	NC	0.0029	07/24/02	NC	NC	--	--	--	--	0.16	--
Diazinon, unfiltered, in micrograms per liter	1990-1992	5	0	0.010	NC	0.160	09/04/91	NC	NC	--	--	--	--	--	--
Dichlorprop, unfiltered, in micrograms per liter	1990-1992	5	3	0 *	NC	0.010	09/04/91	NC	NC	--	--	--	--	--	--
Dichlorvos, in micrograms per liter	2002	2	2	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	1.0	--
Dieldrin, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0048	--
Dieldrin, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Diphenamid, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Disulfoton, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.021	--
Disulfoton, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Endrin, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
EPTC, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0020	--

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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
Ethalfuralin, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0090	--
Ethion, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Ethoprop, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0050	--
Fonofos, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0027	--
Fonofos, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Heptachlor epoxide, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Heptachlor, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Hexazinone, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Lindane, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0040	--
Lindane, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Linuron, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.035	--
Malathion, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.027	--
Malathion, unfiltered, in micrograms per liter	1990-1992	5	4	0 *	NC	0.040	09/04/91	NC	NC	--	--	--	--	--	--
Metalaxyl, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.12	--
Methiocarb, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Methomyl, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Methyl parathion, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0060	--
Methyl parathion, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Metolachlor, filtered, in micrograms per liter	2002-2011	3	2	0 *	NC	0.011	07/24/02	NC	NC	--	--	--	--	0.028	--
Metolachlor, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Metribuzin, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0060	--
Metribuzin, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Mirex, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Molinate, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0016	--
DEET, in micrograms per liter	2002-2011	3	0	0.029	NC	0.240	08/27/02	NC	NC	--	--	--	--	0.060	--
Napropamide, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0070	--
Oxamyl, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
p,p-DDD, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
p,p-DDE, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0025	--
p,p-DDE, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
p,p-DDT, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
p,p-Ethyl-DDD, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
p,p-Methoxychlor, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Parathion, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.010	--
Parathion, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
p-Cresol, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.080	--

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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
Pebulate, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0041	--
Pendimethalin, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.022	--
Phorate, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.011	--
Phorate, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Prometon, in micrograms per liter	2002-2011	3	2	0 *	NC	0.021	07/24/02	NC	NC	--	--	--	--	0.12	--
Prometon, unfiltered, in micrograms per liter	1990-1992	5	3	0 *	NC	0.200	09/04/91	NC	NC	--	--	--	--	--	--
Prometryn, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Propachlor, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.010	--
Propachlor, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Propanil, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.011	--
Propargite, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.023	--
Propazine, unfiltered, recoverable, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Propham, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Propoxur, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Propyzamide, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0041	--
Silvex, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Simazine, in micrograms per liter	2002	1	0	0.014	NC	0.014	07/24/02	NC	NC	--	--	--	--	0.0050	--
Simazine, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Simetryn, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Tebuthiuron, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.016	--
Terbacil, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.034	--
Terbacil, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
Terbufos, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.017	--
Thiobencarb, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0048	--
Toxaphene, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Triallate, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0023	--
Tribufos, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Trifluralin, in micrograms per liter	2002	1	1	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.0090	--
Trifluralin, unfiltered, in micrograms per liter	1990-1992	5	5	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Vernolate, unfiltered, in micrograms per liter	1991-1992	4	4	0 *	NC	0 *	07/22/91	NC	NC	--	--	--	--	--	--
PCBs, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
1-Methylnaphthalene, in micrograms per liter	2002-2011	3	2	0 *	NC	0.039	08/27/02	NC	NC	--	--	--	--	0.022	--
2,6-Dimethylnaphthalene, in micrograms per liter	2002-2011	3	2	0 *	NC	0.032	08/27/02	NC	NC	--	--	--	--	0.060	--
2-Methylnaphthalene, in micrograms per liter	2002-2011	3	1	0 *	NC	0.084	08/27/02	NC	NC	--	--	--	--	0.036	--
3-beta-Coprostanol, in micrograms per liter	2002-2011	3	2	0 *	NC	1.50	08/27/02	NC	NC	--	--	--	--	1.8	--
3-Methyl-1H-indole, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.036	--

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3-tert-Butyl-4-hydroxyanisole, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.60	--
4-Cumylphenol, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.060	--
4-n-Octylphenol, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.060	--
4-Nonylphenol (sum of all isomers), in micrograms per liter	2002-2011	3	2	0 *	NC	4.70	08/27/02	NC	NC	--	--	--	--	2.0	--
4-Nonylphenol diethoxylate (sum of all isomers), in micrograms per liter	2002-2011	3	2	0 *	NC	2.60	08/27/02	NC	NC	--	--	--	--	5.0	--
4-tert-Octylphenol diethoxylate, in micrograms per liter	2002-2011	3	2	0 *	NC	0.035	12/08/10	NC	NC	--	--	--	--	1.0	--
4-tert-Octylphenol monoethoxylate, in micrograms per liter	2002-2011	3	2	0 *	NC	0.018	12/08/10	NC	NC	--	--	--	--	1.0	--
4-tert-Octylphenol, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.14	--
5-Methyl-1H-benzotriazole, in micrograms per liter	2002-2011	3	2	0 *	NC	0.200	12/08/10	NC	NC	--	--	--	--	1.2	--
9,10-Anthraquinone, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.16	--
Acetophenone, in micrograms per liter	2002-2011	3	2	0 *	NC	1.20	08/27/02	NC	NC	--	--	--	--	0.40	--
Acetyl hexamethyl tetrahydro naphthalene, in micrograms per liter	2002-2011	3	1	0 *	NC	0.027	08/27/02	NC	NC	--	--	--	--	0.028	--
Anthracene, filtered, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.010	--
Benzo[a]pyrene, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.018	--
Benzophenone, in micrograms per liter	2002-2011	3	1	0 *	NC	0.040	08/27/02	NC	NC	--	--	--	--	0.080	--
beta-Sitosterol, in micrograms per liter	2002-2011	3	2	0 *	NC	1.60	08/27/02	NC	NC	--	--	--	--	4.0	--
beta-Stigmastanol, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	2.6	--
Caffeine, in micrograms per liter	2002-2011	3	1	0 *	NC	0.470	07/24/02	NC	NC	--	--	--	--	0.060	--
Cholesterol, in micrograms per liter	2002-2011	3	2	0 *	NC	3.00	08/27/02	NC	NC	--	--	--	--	2.0	--
Cotinine, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.80	--
D-Limonene, in micrograms per liter	2002-2011	3	2	0 *	NC	1.00	08/27/02	NC	NC	--	--	--	--	0.080	--
Fluoranthene, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.024	--
Hexahydrohexamethyl cyclopentabenzopyran, in micrograms per liter	2002-2011	3	0	0.069	NC	0.200	12/08/10	NC	NC	--	--	--	--	0.052	--
Indole, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.080	--
Isoborneol, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.080	--
Isophorone, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.032	--
Isopropylbenzene, in micrograms per liter	2002-2011	3	2	0 *	NC	0.540	08/27/02	NC	NC	--	--	--	--	0.30	--
Isoquinoline, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.046	--
Menthol, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.32	--
Methyl salicylate, in micrograms per liter	2002-2011	3	2	0 *	NC	0.082	08/27/02	NC	NC	--	--	--	--	0.044	--
Naphthalene, in micrograms per liter	2002-2011	3	2	0 *	NC	0.390	08/27/02	NC	NC	--	--	--	--	0.040	--
Phenanthrene, in micrograms per liter	2002-2011	3	2	0 *	NC	0.055	08/27/02	NC	NC	--	--	--	--	0.016	--
Phenol, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.16	--
Polychlorinated naphthalenes, unfiltered, in micrograms per liter	1990-1992	4	4	0 *	NC	0 *	08/20/90	NC	NC	--	--	--	--	--	--
Pyrene, in micrograms per liter	2002-2011	3	2	0 *	NC	0.0070	12/08/10	NC	NC	--	--	--	--	0.042	--
Tetrachloroethene, in micrograms per liter	2002-2011	3	2	0 *	NC	0.200	08/27/02	NC	NC	--	--	--	--	0.12	--

Table 9. Summary of measured constituents and properties for Arkansas River near Avondale, Co., station 07109500

[--, 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
Tribromomethane, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.10	--
Tributyl phosphate, in micrograms per liter	2002-2011	3	1	0 *	NC	0.120	08/27/02	NC	NC	--	--	--	--	0.16	--
Triclosan, in micrograms per liter	2002-2011	3	2	0 *	NC	0.077	08/27/02	NC	NC	--	--	--	--	0.20	--
Triethyl citrate, in micrograms per liter	2002-2011	3	2	0 *	NC	0.056	12/08/10	NC	NC	--	--	--	--	0.16	--
Triphenyl phosphate, in micrograms per liter	2002-2011	3	3	0 *	NC	0 *	07/24/02	NC	NC	--	--	--	--	0.12	--
Tris(2-butoxyethyl) phosphate, in micrograms per liter	2002-2011	3	0	0.300	NC	1.00	08/27/02	NC	NC	--	--	--	--	0.80	--
Tris(2-chloroethyl) phosphate, in micrograms per liter	2002-2011	3	0	0.048	NC	0.075	12/08/10	NC	NC	--	--	--	--	0.10	--
Tris(dichloroisopropyl) phosphate, in micrograms per liter	2002-2011	3	0	0.049	NC	0.073	08/27/02	NC	NC	--	--	--	--	0.16	--
Uranium (natural), in micrograms per liter	1991-2017	48	0	3.5	6.8	12.2	03/08/05	5.0	9.1	30.0	0	.	--	0.010	L
Uranium (natural), in micrograms per liter	2018-2019	11	0	3.7	8.4	11.1	02/08/19	4.8	10.9	30.0	0	.	--	0.030	L
Uranium (natural), unfiltered, in micrograms per liter	2005-2008	13	0	4.3	8.3	14.8	03/08/05	5.4	11.1	--	--	.	--	0.020	--
Suspended sediment, in milligrams per liter	1990-1993	24	0	59	257	2,160	07/22/91	78	897	--	--	--	--	--	--