Table 7. Summary of measured constituents and properties for Montrose Arroyo at East Niagara Street, station 382802107513301

[--, 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; see Definition of Terms for explanation of standards, exceedances, and concern levels for dissolved oxygen, 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	1995-2017	162	0	1.0	7.7	30.8	07/10/97	1.9	19.0	--	--	.	--	--	--
Instantaneous discharge, in cubic feet per second	2018-2019	8	0	1.7	3.8	14.7	07/23/19	1.8	14.3	--	--	.	--	--	--
Dissolved oxygen, in milligrams per liter	2008-2017	42	0	6.9	9.9	12.9	03/21/16	7.5	11.4	5.0	0	--	--	--	L
Dissolved oxygen, in milligrams per liter	2018-2019	8	0	6.7	9.8	11.9	12/04/18	7.1	11.8	5.0	0	--	--	--	L
pH, in standard units	1995-2017	164	0	7.7	8.1	8.5	04/15/99	8.0	8.2	6.5-9.0	0		--	--	L
pH, in standard units	2018-2019	8	0	7.9	8.1	8.3	02/05/18	7.9	8.3	6.5-9.0	0		--	--	L
pH, laboratory, in standard units	1995-2013	114	0	7.3	7.9	8.3	04/15/99	7.8	8.0	6.5-9.0	0		--	0.10	L
Specific conductance, laboratory, in microsiemens per centimeter	1995-2013	115	0	1,120	2,340	6,680	01/25/99	1,534	5,536	--	--	.	--	5.0	--
Specific conductance, in microsiemens per centimeter	1995-2017	163	0	1,140	2,360	6,650	01/25/99	1,618	5,394	--	--	.	--	--	--
Specific conductance, in microsiemens per centimeter	2018-2019	8	0	1,647	3,680	5,798	03/11/19	1,763	5,684	--	--	.	--	--	--
Temperature, water, degrees Celsius	1995-2017	162	0	0.1	10.7	19.9	06/22/99	3.8	17.0	--	--	--	--	--	--
Temperature, water, degrees Celsius	2018-2019	8	0	2.8	9.8	20.3	07/23/19	3.7	19.0	--	--	--	--	--	--
Temperature, water, degrees Celsius March-November	1995-2017	124	0	1.0	13.0	19.9	06/22/99	8.0	17.3	28.6	0	--	--	--	L
Temperature, water, degrees Celsius March-November	2018-2019	6	0	5.3	10.8	20.3	07/23/19	5.5	20.1	28.6	0	--	--	--	L
Temperature, water, degrees Celsius December-February	1995-2017	38	0	0.1	3.4	8.1	02/29/00	1.1	5.2	14.3	0	--	--	--	L
Temperature, water, degrees Celsius December-February	2018-2019	2	0	2.8	NC	6.3	02/05/18	NC	NC	14.3	0	--	--	--	NC
Turbidity, in nephlometric turbidity ratio-units	2014-2017	16	0	5.8	29.1	67.6	01/09/17	6.7	51.4	--	--	--	--	2.0	--
Turbidity, in nephlometric turbidity ratio-units	2018-2019	8	0	5.5	16.8	53.4	07/23/19	5.7	42.1	--	--	--	--	2.0	--
Dissolved solids, sum of constituents, in milligrams per liter	1995-2017	158	1	0 *	1,854	6,226	01/25/99	1,214	4,919	--	--	.	--	--	--
Dissolved solids, sum of constituents, in milligrams per liter	2018-2019	8	0	1,184	3,259	5,215	03/11/19	1,321	5,149	--	--	.	--	--	--
Hardness, in milligrams per liter	1995-2017	162	0	497	1,005	2,720	12/16/98	704	2,419	--	--	.	--	--	--
Hardness, in milligrams per liter	2018-2019	8	0	770	1,687	2,483	03/11/19	792	2,479	--	--	.	--	--	--
Calcium, in milligrams per liter	1995-2017	162	0	130	241	555	12/16/98	177	476	--	--	.	--	0.022	--
Calcium, in milligrams per liter	2018-2019	8	0	186	338	505	12/04/18	190	492	--	--	.	--	0.022	--
Magnesium, in milligrams per liter	1995-2017	162	0	40.7	104	354	01/25/99	65.5	299	--	--	.	--	0.011	--
Magnesium, in milligrams per liter	2018-2019	8	0	67.1	197	345	03/11/19	75.0	332	--	--	.	--	0.011	--
Potassium, in milligrams per liter	1995-2017	162	0	3.6	6.1	16.2	01/29/13	4.7	11.4	--	--	.	--	0.10	--
Potassium, in milligrams per liter	2018-2019	8	0	4.6	8.7	12.1	03/11/19	4.7	11.9	--	--	.	--	0.30	--
Sodium, in milligrams per liter	1995-2017	162	0	65.0	210	1,025	01/25/99	110	650	--	--	.	--	0.10	--
Sodium, in milligrams per liter	2018-2019	8	0	109	384	722	03/11/19	120	698	--	--	.	--	0.40	--
Acid neutralizing capacity, in milligrams per liter	1995-1999	49	0	140	205	378	02/15/96	166	341	--	--	.	--	--	--
Alkalinity, in milligrams per liter	1999-2003	63	0	175	216	752	02/02/00	185	377	--	--	.	--	2.0	--
Alkalinity, inflection-point titration, in milligrams per liter	1999-2017	47	0	169	236	395	02/25/09	191	367	--	--	.	--	--	--
Alkalinity, inflection-point titration, in milligrams per liter	2018-2019	8	0	192	271	406	12/04/18	193	400	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	1999-2017	47	0	203	286	476	01/25/12	229	443	--	--	.	--	--	--
Bicarbonate, in milligrams per liter	2018-2019	8	0	230	323	487	12/04/18	231	480	--	--	.	--	--	--

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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
Bromide, in micrograms per liter	1998-2000	5	0	0.021	NC	0.232	02/25/99	NC	NC	--	--	--	--	--	--
Carbonate, in milligrams per liter	2008-2017	36	0	0.80	2.0	5.9	02/26/10	1.5	4.5	--	--	.	--	--	--
Carbonate, in milligrams per liter	2018-2019	8	0	1.9	3.2	5.1	04/15/19	1.9	5.0	--	--	.	--	--	--
Chloride, in milligrams per liter	1995-2017	162	0	5.7	19.2	146	01/09/17	9.5	56.9	250	0	.	--	0.020	L
Chloride, in milligrams per liter	2018-2019	8	0	8.5	35.9	71.5	03/11/19	10.0	67.0	250	0	.	--	0.020	L
Fluoride in milligrams per liter	1995-2017	161	1	0 *	0.45	0.76	03/05/12	0.39	0.60	2.0	0	.	--	0.010	L
Fluoride in milligrams per liter	2018-2019	8	0	0.37	0.54	0.69	12/04/18	0.38	0.68	2.0	0	.	--	0.010	L
Silica, in milligrams per liter	1995-2017	162	0	3.5	11.0	21.0	02/25/99	8.2	13.9	--	--	.	--	0.018	--
Silica, in milligrams per liter	2018-2019	8	0	7.1	11.2	16.7	07/23/19	7.8	15.4	--	--	.	--	0.050	--
Sulfate, in milligrams per liter	1995-2017	162	1	0 *	1,163	4,049	01/25/99	714	3,215	250	161	.	--	0.020	H
Sulfate, in milligrams per liter	2018-2019	8	0	661	2,069	3,391	03/11/19	767	3,356	250	8	.	--	0.020	H
Ammonia plus organic nitrogen (total), in milligrams per liter as N	2012-2017	31	0	0.541	0.852	1.81	01/29/13	0.650	1.04	--	--	--	--	0.070	--
Ammonia plus organic nitrogen (total), in milligrams per liter as N	2018-2019	8	0	0.456	0.753	1.23	03/11/19	0.484	1.13	--	--	--	--	0.070	--
Ammonia, in milligrams per liter as N	2012-2017	31	0	0.010	0.093	0.382	01/29/13	0.014	0.193	2.11	0	5.03	0	0.010	L
Ammonia, in milligrams per liter as N	2018-2019	8	0	0.010	0.104	0.440	03/11/19	0.010	0.401	1.87	0	4.46	0	0.010	L
Nitrite plus nitrate in milligrams per liter as N	1995-2017	43	0	0.350	1.54	3.70	12/20/94	0.481	3.05	--	--	10.0	0	0.040	--
Nitrite plus nitrate in milligrams per liter as N	2018-2019	8	0	0.500	1.12	2.25	02/05/18	0.507	2.11	--	--	10.0	0	0.040	--
Nitrite, in milligrams per liter as N	1995-2017	32	0	0.002	0.013	0.088	05/23/12	0.004	0.024	--	--	0.05	1	0.0010	--
Nitrite, in milligrams per liter as N	2018-2019	8	0	0.003	0.009	0.015	02/05/18	0.003	0.015	--	--	0.05	0	0.0010	--
Orthophosphate, in milligrams per liter as P	2012-2017	31	2	0 *	0.008	0.056	06/17/13	0.006	0.025	--	--	--	--	0.0040	--
Orthophosphate, in milligrams per liter as P	2018-2019	8	0	0.005	0.013	0.031	09/17/18	0.006	0.030	--	--	--	--	0.0040	--
Phosphorus (total), in milligrams per liter as P	2012-2017	31	0	0.019	0.066	0.244	05/23/12	0.026	0.178	0.17	6	--	--	0.0040	L
Phosphorus (total), in milligrams per liter as P	2018-2019	8	0	0.019	0.053	0.175	07/23/19	0.021	0.147	0.17	1	--	--	0.0040	L
Barium, in micrograms per liter	1999	1	0	39.7	NC	39.7	07/21/99	NC	NC	--	--	.	--	--	--
Cadmium, in micrograms per liter	1999	1	1	0 *	NC	0 *	07/21/99	NC	NC	2.0	0	10.0	0	--	NC
Copper, in micrograms per liter	1999	1	0	3.6	NC	3.6	07/21/99	NC	NC	29.3	0	49.6	0	--	NC
Iron, in micrograms per liter	1999	1	0	6.3	NC	6.3	07/21/99	NC	NC	300	0	.	--	--	NC
Lead, in micrograms per liter	1999	1	1	0 *	NC	0 *	07/21/99	NC	NC	10.9	0	281	0	--	NC
Manganese, in micrograms per liter	1999	1	0	47.4	NC	47.4	07/21/99	NC	NC	2,618	0	4,738	0	--	NC
Molybdenum, in micrograms per liter	1998	1	0	4.50	NC	4.50	09/09/98	NC	NC	--	--	--	--	--	--
Zinc, in micrograms per liter	1999	1	1	0 *	NC	0 *	07/21/99	NC	NC	428	0	564	0	--	NC
Arsenic, in micrograms per liter	1999	1	1	0 *	NC	0 *	07/21/99	NC	NC	--	--	340	0	--	--
Selenium, in micrograms per liter	1995-2017	163	0	12.1	37.2	195	12/22/09	19.7	107	4.6	163	18.4	144	0.050	H
Selenium, in micrograms per liter	2018-2019	8	0	16.0	52.5	93.6	03/11/19	19.0	93.4	4.6	8	18.4	7	0.050	H
Selenium (total), in micrograms per liter	1995-1996	3	0	25.0	NC	120	03/13/96	NC	NC	--	--	.	--	--	--

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Suspended sediment, in milligrams per liter	2014-2017	16	0	21	43	131	07/18/16	23	108	--	--	--	--	1.0	--
Suspended sediment, in milligrams per liter	2018-2019	8	0	12	27	99	07/23/19	12	80	--	--	--	--	1.0	--