Albuquerque Bernalillo County Water Utility Authority

Water Quality Report 2021

Distribution - EP

Definitions & Terms Notes & Sources of Substances

Zone 16

Metals	Sample Collection Years	Units	Zone Average	City Average	City Range	MCL	MCLG
Arsenic	2020 - 2021	PPB	0	3	0 - 8	10	0
Barium	2020 - 2021	PPM	0.056	0.076	0.03 - 0.18	2	2
Chromium	2020 - 2021	PPB	0.0	0.8	0 - 7	100	100

Minerals	Sample Collection Years	Units	Zone Average	City Average	City Range	MCL	MCLG
Fluoride	2020 - 2021	PPM	0.71	0.64	0.34 - 1.22	4	4

Nutrients	Sample Collection Years	Units	Zone Average	City Average	City Range	MCL	MCLG
Nitrate + Nitrite as Nitrogen	2021	PPM	0.23	0.54	0 - 2.91	10	10

Radionuclides	Sample Collection Years	Units	Zone Average	City Average	City Range	MCL	MCLG
Combined Radium 226 and 228	2016 - 2020	pCi/L	0.22	0.17	0 - 0.41	5	0
Gross Alpha Particle Activity	2016 - 2020	pCi/L	0.2	0.8	0 - 2.5	15	0
Uranium, Mass Concentration	2016 - 2020	PPB	1	2	0 - 9	30	0

Voluntary Comprehensive Monitoring in Distribution

(Samples taken every three months, 2021 results)

Zone 16

General Chemistry	Sample Collection Years	Units	Minimum	Average	Maximum	City Average	City Range	MCL
Alkalinity	2021	PPM as CaCO3	84	114	135	123	84 - 154	~
Bicarbonate	2021	PPM as CaCO3	84	114	135	123	84 - 154	~
Calcium	2021	PPM	28.00	42.88	63.00	42.25	6.9 - 71.00	~
Chloride	2021	PPM	19.00	39.51	121.74	27.21	8.06 - 121.74	250 a
Field Conductivity	2021	uS/cm	334	447	557	452	334 - 682	
Field Free Chlorine	2021	mg/L	0.7	0.9	1.4	0.8	0.5 - 1.4	
Field pH	2021	Std. unit	7.44	7.89	8	7.92	7.36 - 8.46	
Field Temperature	2021	Fahrenheit	57	67	77	65	43 - 84	
Hardness	2021	grains/ gallon	4.96	7.49	11.06	7.51	1.34 - 12.25	~
Magnesium	2021	PPM	3.50	5.11	7.70	5.54	1.2 - 9.00	~
Potassium	2021	PPM	2	4	6	4	2 - 8	~
Silica	2021	PPM as SiO2	19.1	36.4	57.8	41.0	19.1 - 68.5	~
Sodium	2021	PPM	22	36	61	37	21 - 87	~
Sulfate	2021	PPM	35	80	181	64	25 - 387	250 a
Total Dissolved Solids	2021	PPM	224	276	344	282	210 - 382	500 a

Metals	Sample Collection Years	Units	Minimum	Average	Maximum	City Average	City Range	MCL
Arsenic	2021	PPB	0	3	5	4	0 - 8	10
Chromium	2021	PPB	0.0	0.8	2.0	0.6	0 - 6.0	100
Iron	2021	PPM	0.0	0.0	0.0	0.0	0 - 0.1	0.3 a

Minerals	Sample Collection Years	Units	Minimum	Average	Maximum	City Average	City Range	MCL
Fluoride	2021	PPM	0.43	0.59	0.78	0.55	0.36 - 0.91	4

Nutrients	Sample Collection Years	Units	Minimum	Average	Maximum	City Average	City Range	MCL
Nitrate	2021	PPM	0.00	0.88	3.79	0.61	0 - 3.94	10

Represents the USEPA Secondary Maximum Contaminant Level (SMCL). Secondary Drinking Water Standards are unenforceable federal guidelines regarding taste, odor, color and certain other non-aesthetic effects of drinking water. USEPA recommends them as reasonable goals, but federal law does not require water systems to comply with them.