Albuquerque Bernalillo County Water Utility Authority

Water Quality Report 2019

Distribution Zone 14

Definitions & Terms Notes & Sources of Substances

Regulatory Compliance Monitoring at EPTDS

Metals	Sample Collection Years	Units	Detection	Zone 14	City-Wide	Maximum Contaminant Level (MCL)	MCL Goal
Arsenic	2017	PPB	Average Range	0	2 0 - 9	10	Zero
Barium	2017	PPM	Average Range	0	0.02 0 - 0.2	2	2
Chromium	2017	PPB	Average Range	0	1 0 - 7	100	100
Minerals							
Fluoride	2017	PPM	Average Range	0.35	0.49 0.25 - 1.18	4	4
Nutrients							
Nitrate	2019	PPM	Average Range	0.23	0.35 0.06 - 3.25	10	10
Organics							
Total Xylenes	2019	PPM	Average Range	0	0.0005 0 - 0.00057	10	10
Radionuclides							
Radium 226 + 228	2014 - 2017	pCi/L	Average Range	0.26	0.1794 0.02 - 0.41	5	Zero
Gross Alpha Particle Activity	2014 - 2017	pCi/L	Average Range	0.3	0.8 0.1 - 2.5	15	Zero
Uranium	2014 - 2017	PPB	Average Range	0	2 0 - 9	30	Zero

Voluntary Comprehensive Monitoring in Distribution

(Samples taken every three months, 2019 results)

Zone 14

Metals	Units	Minimum	Average	Maximum	City Average	MCL
Arsenic	PPB	0	1	3	1 0 - 8	10
Chromium	PPB	0	0	1	1 0 - 4	100
Iron	PPM	0	0.003	0.03	0.009 0 - 0.16	0.3 a
Minerals						
Fluoride	PPM	0.50	0.62	0.79	0.62 0.37 - 1	4
Nutrients						
Nitrate	PPM as N	0.00	0.00	0.00	0.13 0 - 2.32	10
General Chemistry						
Alkalinity	PPM as CaCO3	64	87.4	115.8	96 64 - 142	~
Bicarbonate	PPM as CaCO3	63	87.1	115.4	96 63 - 141	~
Calcium	PPM	46	56	68	53 23 - 74	~
Chloride	PPM	28	36	41	34 14 - 54	250 a
Hardness	grains/gallon	7.8	9.6	11.6	9.1 4.4 - 12.7	~
Magnesium	PPM	3.8	5.6	7.3	5.6 2.5 - 7.9	~
Potassium	PPM	0.0	2.1	3.4	3 0 - 7	~
Silica	PPM as SiO2	16	22	28	27 16 - 66	~
Sodium	PPM	0.15	19	30	25 0.15 - 68	~
Sulfate	PPM	56	75	106	72 36 - 116	250 a
Total Dissolved Solids	PPM	234	278	350	277 188 - 368	500 a
Conductance	micromhos/cm	368	455	580	482 310 - 662	~
Free Chlorine Residual	PPM	0.8	1.04	1.31	1 0.3 - 1.4	~
pH	Standard Units	7.3	7.5	7.8	7.7 7.2 - 8.3	~
Temperature	Fahrenheit	48.2	63.2	83	62 37 - 88	~

a- 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.