

Water Quality Report 2021

Distribution - EP

[Definitions & Terms](#) [Notes & Sources of Substances](#)

Zone 1

<u>Metals</u>	Sample Collection Years	Units	Zone Average	City Average	City Range	MCL	MCLG
Arsenic	2020 - 2021	PPB	3	3	0 - 8	10	0
Barium	2020 - 2021	PPM	0.088	0.076	0.03 - 0.18	2	2
Chromium	2020 - 2021	PPB	0.0	0.8	0 - 7	100	100
<u>Minerals</u>	Sample Collection Years	Units	Zone Average	City Average	City Range	MCL	MCLG
Fluoride	2020 - 2021	PPM	0.55	0.64	0.34 - 1.22	4	4
<u>Nutrients</u>	Sample Collection Years	Units	Zone Average	City Average	City Range	MCL	MCLG
Nitrate + Nitrite as Nitrogen	2021	PPM	0.66	0.54	0 - 2.91	10	10
<u>Radionuclides</u>	Sample Collection Years	Units	Zone Average	City Average	City Range	MCL	MCLG
Combined Radium 226 and 228	2016 - 2020	pCi/L	0.28	0.17	0 - 0.41	5	0
Gross Alpha Particle Activity	2016 - 2020	pCi/L	1.0	0.8	0 - 2.5	15	0
Uranium, Mass Concentration	2016 - 2020	PPB	3	2	0 - 9	30	0

Voluntary Comprehensive Monitoring in Distribution

(Samples taken every three months, 2021 results)

<u>General Chemistry</u>	Sample Collection Years	Units	Minimum	Average	Maximum	City Average	City Range	MCL
Alkalinity	2021	PPM as CaCO ₃	118	123	126	123	84 - 154	~
Bicarbonate	2021	PPM as CaCO ₃	118	123	126	123	84 - 154	~
Calcium	2021	PPM	41.00	45.50	51.00	42.25	6.9 - 71.00	~
Chloride	2021	PPM	34.00	36.28	39.82	27.21	8.06 - 121.74	250 a
Field Conductivity	2021	uS/cm	461	496	522	452	334 - 682	
Field Free Chlorine	2021	mg/L	0.9	1.2	1.4	0.8	0.5 - 1.4	
Field pH	2021	Std. unit	7.64	7.87	8	7.92	7.36 - 8.46	
Field Temperature	2021	Fahrenheit	61	68	78	65	43 - 84	
Hardness	2021	grains/gallon	7.72	8.64	9.61	7.51	1.34 - 12.25	~
Magnesium	2021	PPM	7.20	8.28	9.00	5.54	1.2 - 9.00	~
Potassium	2021	PPM	5	6	6	4	2 - 8	~
Silica	2021	PPM as SiO ₂	47.1	55.2	60.0	41.0	19.1 - 68.5	~
Sodium	2021	PPM	32	33	34	37	21 - 87	~
Sulfate	2021	PPM	50	58	70	64	25 - 387	250 a
Total Dissolved Solids	2021	PPM	306	318	330	282	210 - 382	500 a
<u>Metals</u>	Sample Collection Years	Units	Minimum	Average	Maximum	City Average	City Range	MCL
Arsenic	2021	PPB	4	5	6	4	0 - 8	10
Chromium	2021	PPB	0.0	0.0	0.0	0.6	0 - 6.0	100
Iron	2021	PPM	0.0	0.0	0.0	0.0	0 - 0.1	0.3 a
<u>Minerals</u>	Sample Collection Years	Units	Minimum	Average	Maximum	City Average	City Range	MCL
Fluoride	2021	PPM	0.44	0.46	0.50	0.55	0.36 - 0.91	4
<u>Nutrients</u>	Sample Collection Years	Units	Minimum	Average	Maximum	City Average	City Range	MCL
Nitrate	2021	PPM	0.53	0.58	0.67	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.