

# Water Quality Report 2021

## Distribution - EP

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

### Zone 11

<u>Metals</u>	Sample Collection Years	Units	Zone Average	City Average	City Range	MCL	MCLG
Arsenic	2020 - 2021	PPB	4	3	0 - 8	10	0
Barium	2020 - 2021	PPM	0.117	0.076	0.03 - 0.18	2	2
Chromium	2020 - 2021	PPB	0.5	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	0.60	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	0.40	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	0.21	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	3	2	0 - 9	30	0

## Voluntary Comprehensive Monitoring in Distribution

(Samples taken every three months, 2021 results)

Zone 11

<u>General Chemistry</u>	Sample Collection Years	Units	Minimum	Average	Maximum	City Average	City Range	MCL
Alkalinity	2021	PPM as CaCO <sub>3</sub>	92	117	132	123	84 - 154	~
Bicarbonate	2021	PPM as CaCO <sub>3</sub>	92	117	132	123	84 - 154	~
Calcium	2021	PPM	45.00	49.63	58.00	42.25	6.9 - 71.00	~
Chloride	2021	PPM	20.53	27.84	34.85	27.21	8.06 - 121.74	250 a
Field Conductivity	2021	uS/cm	373	432	601	452	334 - 682	
Field Free Chlorine	2021	mg/L	0.6	0.7	0.8	0.8	0.5 - 1.4	
Field pH	2021	Std. unit	7.68	7.89	8	7.92	7.36 - 8.46	
Field Temperature	2021	Fahrenheit	43	67	84	65	43 - 84	
Hardness	2021	grains/gallon	7.59	8.46	9.92	7.51	1.34 - 12.25	~
Magnesium	2021	PPM	4.20	5.01	6.00	5.54	1.2 - 9.00	~
Potassium	2021	PPM	3	3	3	4	2 - 8	~
Silica	2021	PPM as SiO <sub>2</sub>	25.7	31.1	34.3	41.0	19.1 - 68.5	~
Sodium	2021	PPM	21	27	33	37	21 - 87	~
Sulfate	2021	PPM	42	58	78	64	25 - 387	250 a
Total Dissolved Solids	2021	PPM	238	263	308	282	210 - 382	500 a
<u>Metals</u>	Sample Collection Years	Units	Minimum	Average	Maximum	City Average	City Range	MCL
Arsenic	2021	PPB	2	4	4	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	0.41	0.51	0.58	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	0.42	0.71	1.00	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.