

# Water Quality Report 2022

## Distribution - EP

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

### Zone 9

<u>Metals</u>	Sample Collection Years	Units	Zone Average	City Average	City Range	MCL	MCLG
Arsenic	2020 - 2022	PPB	5	3	0 - 8	10	0
Barium	2020 - 2022	PPM	0.064	0.078	0.03 - 0.18	2	2
Chromium	2020 - 2022	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 - 2022	PPM	0.47	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	2022	PPM	0.12	0.33	0 - 2.96	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	0.15	0.17	0 - 0.41	5	0
Gross Alpha Particle Activity	2016 - 2020	pCi/L	1.5	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, 2022 results)

<u>General Chemistry</u>	Sample Collection Years	Units	Minimum	Average	Maximum	City Average	City Range	MCL
Alkalinity	2022	PPM as CaCO3	73	106	126	112	29 - 353	~
Bicarbonate	2022	PPM as CaCO3	73	106	126	112	29 - 353	~
Calcium	2022	PPM	46.00	50.50	59.00	48.18	6.6 - 61.00	~
Chloride	2022	PPM	19.43	25.43	38.51	30.95	7.55 - 45.16	250 a
Field Conductivity	2022	uS/cm	419	451	483	468	351 - 623	
Field Free Chlorine	2022	mg/L	0.6	0.7	0.9	0.9	0.5 - 1.6	
Field pH	2022	Std. unit	7.4	7.7	7.9	7.7	7.0 - 8.9	
Field Temperature	2022	Fahrenheit	47	59	70	63	43 - 83	
Hardness	2022	grains/gallon	8.28	8.94	10.14	8.45	1.25 - 10.52	~
Magnesium	2022	PPM	5.50	6.50	7.70	5.88	1.2 - 8.60	~
Potassium	2022	PPM	3	4	5	4	2 - 9	~
Silica	2022	PPM as SiO2	25.7	31.6	36.4	32.5	17.8 - 77.1	~
Sodium	2022	PPM	22	24	27	30	17 - 83	~
Sulfate	2022	PPM	61	67	83	70	24 - 94	250 a
Total Dissolved Solids	2022	PPM	226	269	298	292	204 - 430	500 a
<u>Metals</u>	Sample Collection Years	Units	Minimum	Average	Maximum	City Average	City Range	MCL
Arsenic	2022	PPB	1	4	5	2	0 - 10	10
Barium	2022	PPM	0.071	0.082	0.094	0.074	0.041 - 0.140	2
Chromium	2022	PPB	0.0	0.0	0.0	0.3	0 - 6.0	100
Iron	2022	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	2022	PPM	0.39	0.45	0.50	0.56	0.36 - 0.87	4
<u>Nutrients</u>	Sample Collection Years	Units	Minimum	Average	Maximum	City Average	City Range	MCL
Nitrate	2022	PPM	0.21	0.45	0.71	0.35	0 - 3.61	10

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.