

WATER QUALITY REPORT DATA, 2019 SOURCE WATER FROM CITY OF LUBBOCK

SUBSTANCE	MONITORING DATE*	MCL	HIGHEST LEVEL DETECTED	MEG	RANGE	SOURCES	STATUS
SUBSTANCES REGULATED AT THE TREATMENT PLANT							
BETA/PHOTON EMITTERS	2017	50 pCi/L	8.1 pCi/L	0	4.3 - 8.1 pCi/L	Decay or natural and man-made deposits	NO
ALPHA EMITTERS	2017	15 pCi/L	7 pCi/L	0	2 - 7 pCi/L	Erosion of natural deposits	NO
URANIUM	2017	30 ppb	4.9 ppb	0	3.5 - 4.9 ppb	Erosion of natural deposits	NO
ARSENIC	2019	10 ppb	3.9 ppb	0	2.1 - 3.9 ppb	Erosion of natural deposits: runoff from orchards	NO
BARIUM	2019	2 ppm	0.19 ppm	2 ppm	0.096 - 0.19 ppm	Erosion of natural deposits	NO
CHROMIUM	2019	100 ppb	2.3 ppb	100 ppb	0 - 2.3 ppb	Erosion of natural deposits	NO
CYANIDE	2019	200 ppb	163 ppb	200 ppb	0 - 163 ppb	Discharge from steel/metal, plastic, and fertilizer factories	NO
FLUORIDE	2017 - 2019	4 ppm	1.46 ppm	4 ppm	0.75 - 1.46 ppm	Erosion of natural deposits	NO
TURBIDITY	2019	TT = 5 NTU TT = % of samples < 0.3 NTU	0.17 100%	0	0.02 - 0.17 NTU	Soil runoff	NO
CHLORITE	2019	1 ppm	0.604 ppm	0.6 ppm	0 - 0.604 ppm	By-product of drinking water disinfection	NO
ADDITIONAL MONITORING							
ALUMINUM	2019	0.05-0.2 ppm M	0.1 ppm	NA	NA	Water Treatment Chemical	
CHLORIDE	2019	300 ppm M	292 ppm	NA	NA	Naturally occurring	
SULFATE	2019	300 ppm M	147 ppm	NA	NA	Naturally occurring	
TOTAL DISSOLVED SOLIDS	2019	1000 ppm M	863 ppm	NA	NA	Naturally occurring	
AMMONIA	2019	Not Regulated	0.681 ppm	NA	NA	Water Treatment Chemical	
CALCIUM	2019	Not Regulated	59.2 ppm	NA	NA	Naturally occurring	
MAGNESIUM	2019	Not Regulated	31.8 ppm	NA	NA	Naturally occurring	
POTASSIUM	2019	Not Regulated	6.7 ppm	NA	NA	Naturally occurring	
SODIUM	2019	Not Regulated	273 ppm	NA	NA	Naturally occurring	
HARDNESS	2019	Not Regulated	271 ppm	NA	NA	Naturally occurring	
CONDUCTANCE	2019	Not Regulated	1520 micromhos/cm	NA	NA	Naturally occurring	
TOTAL ALKALINITY	2019	Not Regulated	225 ppm	NA	NA	Naturally occurring	

The state allows us to monitor for some substances less than once per year because the concentrations of these substances do not change frequently. Some of our data, though representative, are more than one year old.

*The MCL for beta/photon emitters is 4 mrem/year. The USEPA considers 50 pCi/L to be the level of concern for beta/photon emitters.

MSecondary Constituent Levels set by the Texas Commission of Environmental Quality.