



WATER CONTAMINANTS IN MEDICAL LAKE, WASHINGTON

CONTAMINANT	THIS UTILITY	EWG'S GUIDELINES	LEGAL LIMIT	POTENTIAL HARM	POSSIBLE SOURCE
Bromodichloromethane	2.21 ppb	0.06 ppb	NO LEGAL LIMIT	cancer	disinfectant byproduct
Bromoform	2.68 ppb	0.5 ppb	NO LEGAL LIMIT	unconsciousness	erosion of natural deposits
Chloroform	1.17 ppb	0.4 ppb	NO LEGAL LIMIT	kidney & liver damage	wastewater plants
Dibromochloromethane	3.77 ppb	0.01 ppb	NO LEGAL LIMIT	cancer	runoff from landfills
Nitrate	0.665 ppm	0.14 ppm	10 ppm	cancer	erosion of natural deposits
Perflourohexane sulfonate (PFHXS)	2.84 ppt	0.001 ppt	10 ppt	liver & hormone effects	industrial manufacturing
Perfluorooctane sulfonate (PFOS)	1.90 ppt	0.3 ppt	4 ppt	liver & thyroid damage	industrial manufacturing
Perfluorooctanoic acid (PFOA)	0.446 ppt	0.09 ppt	4 ppt	cancer	industrial manufacturing
Radium, combined (-226 & -228)	1.62 pCi/L	0.05 pCi/L	5 pCi/L	cancer	erosion of natural deposits
Total PFAS and PFOA	3.66 ppt	0.007 ppt	NO LEGAL LIMIT	liver & thyroid damage	industrial manufacturing
Total trihalomethanes (TTHMs)	9.81 ppb	0.15 ppb	80 ppb	cancer	disinfectant byproduct
Lithium	10.8 ppb	NO GUIDELINE	NO LEGAL LIMIT	kidney & thyroid effects	groundwater
Perfluorohexanoic acid (PFHxA)	0.482 ppt	1,000 ppt	NO LEGAL LIMIT	liver & thyroid damage	industrial manufacturing
Perfluoropentanoic acid (PFPeA)	1.06 ppt	1,000 ppt	NO LEGAL LIMIT	liver & thyroid damage	industrial manufacturing
PFOS + PFOA + PFHxS + PFNA	8.10 ppt	NO GUIDELINE	NO LEGAL LIMIT	liver & thyroid damage	industrial manufacturing

SOURCE: Environmental Working Group