

Eugene Water & Electric Board 2019 Water Testing Results

Samples collected at the Entry Point to the Water Distribution System unless otherwise noted.

Results in mg/L unless otherwise noted.

Parameter	EPA Standard	Average Result	Range
PRIMARY STANDARDS			
INORGANIC CHEMICALS			
Fluoride	4	0.048	ND - 0.057
DISINFECTION BY-PRODUCTS¹			
Total Trihalomethanes (µg/L)	80	11.2	7.2 - 16.0
Haloacetic Acids (µg/L)	60	7.2	5.3 - 9.8
MICROORGANISMS			
Total Coliforms ¹	5% per month	0%	0% - 0.59% ²
Turbidity (NTU)	0.3	0.023	0.018 - 0.084
SECONDARY STANDARDS & ADDITIONAL PARAMETERS			
Alkalinity	No Limit	25	22 - 29
Aluminum	0.05-0.2	0.020	ND - 0.033
Calcium	No Limit	4.3	3.7 - 4.8
Chloride	250	1.7	1.4 - 2.1
Chlorine	4	0.7	0.65 - 0.77
Conductivity (µs)	No Limit	66	55 - 73
Hardness	250	18	15 - 21
Heterotrophic Bacteria (CFU)	500	0	0 - 15
Magnesium	No Limit	1.8	1.5 - 2.1
Manganese (µg/L)	50	0.74	0.58 - 0.92
Odor (TON)	3	1.2	ND - 2
pH (pH Units)	6.5 - 8.5 ³	7.9	7.7 - 8.4
Silica	No Limit	19	17 - 21
Sodium	No Limit	6.1	5.5 - 6.7
Sulfate	250	4.1	3.7 - 4.5
Total Dissolved Solids	500	56	46 - 62
Total Organic Carbon	No Limit	0.42	ND - 0.59
Total Solids	No Limit	53	51 - 60

1 Samples collected throughout Eugene's water distribution system.

2 0.59% equals 1 sample out of 170 in the month of September, all other months were 0%.

3 EWEB is required by the Oregon Health Authority to produce water with a pH greater than 7.6.

Primary Standards:

The United States Environmental Protection Agency sets and regulates primary drinking water standards. National Primary Drinking Water Regulations (NPDWRs or primary standards) are legally enforceable standards that apply to public water systems. Primary standards protect public health by limiting the levels of contaminants in drinking water.

<http://www.epa.gov/your-drinking-water/table-regulated-drinking-water-contaminants>

Secondary Standards:

National Secondary Drinking Water Regulations (NSDWRs or secondary standards) are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.

<http://www.epa.gov/dwstandardsregulations/secondary-drinking-water-standards-guidance-nuisance-chemicals>

In 2019 the following contaminants were monitored for but not detected in EWEB's water.

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1,1,1,2-Tetrachloroethane	Benzo(a)pyrene	Dibromomethane
1,1,1-Trichloroethane	Benzo(b)Fluoranthene	Dicamba
1,1,2,2-Tetrachloroethane	Benzo(g,h,i)Perylene	Dichlorodifluoromethane
1,1,2-Trichloroethane	Benzo(k)Fluoranthene	Dichloromethane
1,1-Dichloroethane	Beryllium	Dichloroprop
1,1-Dichloroethylene	Bezafibrate	Diclofenac
1,1-Dichloropropene	BPA	Dieldrin
1,2,3-Trichlorobenzene	Bromacil	Diethylphthalate
1,2,3-Trichloropropane	Bromobenzene	Di-isopropyl ether
1,2,4-Trichlorobenzene	Bromochloromethane	Dilantin
1,2,4-Trimethylbenzene	Bromodichloromethane	Diltiazem
1,2-Dichloroethane	Bromoethane	Dimethoate
1,2-Dichloropropane	Bromoform	Dimethylphthalate
1,3,5-Trimethylbenzene	Bromomethane (Methyl Bromide)	Di-n-Butylphthalate
1,3-Dichloropropane	Butachlor	Dinoseb
1,7-Dimethylxanthine	Butalbital	Diquat
1H-Benzotriazole	Butylbenzylphthalate	Diuron
2,2-Dichloropropane	Butylparaben	Endothall
2,3,7,8-TCCD Dioxin	Cadmium	Endrin
2,4,5-T	Caffeine	Erythromycin
2,4,5-TP (Silvex)	Carbadox	Estradiol
2,4-D	Carbamazepine	Estriol
2,4-DB	Carbaryl	Estrone
2,4-Dinitrotoluene	Carbofuran (Furadan)	Ethinyl Estradiol - 17 alpha
2-Butanone (MEK)	Carbon disulfide	Ethyl benzene
3,5-Dichlorobenzoic acid	Carbon Tetrachloride	Ethylene Dibromide
3-Hydroxycarbofuran	Carisoprodol	Ethylparaben
4-Methyl-2-Pentanone	Chloramphenicol	Flumequine
4-nonylphenol	Chlordane	Fluoranthene
4-tert-Octylphenol	Chloridazon	Fluorene
Acenaphthylene	Chlorobenzene	Fluoxetine
Acesulfame-K	Chloroethane	gamma-Chlordane
Acetaminophen	Chloromethane(Methyl Chloride)	Gemfibrozil
Acifluorfen	Chlorotoluron	Glyphosate
Alachlor	Chromium	Heptachlor
Alachlor (Alanex)	Chrysene	Heptachlor Epoxide
Albuterol	Cimetidine	Hexachlorobenzene
Aldicarb (Temik)	cis-1,2-Dichloroethylene	Hexachlorobutadiene
Aldicarb sulfone	cis-1,3-Dichloropropene	Hexachlorocyclopentadiene
Aldicarb sulfoxide	Clofibric Acid	Ibuprofen
Aldrin	Copper	Indeno(1,2,3,c,d)Pyrene
alpha-Chlordane	Cotinine	Iohexal
Amoxicillin	Cyanazine	Iopromide
Androstenedione	Cyanide	Iron
Anthracene	DACT	Isobutylparaben
Antimony	Dalapon	Isophorone
Arsenic	DEA	Isopropylbenzene
Atenolol	DEET	Isoproturon
Atrazine	Dehydronifedipine	Ketoprofen
Barium	Di-(2-Ethylhexyl)adipate	Ketorolac
Baygon	Di(2-Ethylhexyl)phthalate	Lead
Bendroflumethiazide	Diazepam	Lidocaine
Bentazon	Diazinon	Lincomycin
Benz(a)Anthracene	Dibenz(a,h)Anthracene	Lindane
Benzene	Dibromochloropropane	Lindane (gamma-BHC)

Linuron	PCB 1254 Aroclor	Sulfamethoxazole
Lopressor	PCB 1260 Aroclor	Sulfathiazole
m,p-Xylenes	PCBs Total	Surfactants
m-Dichlorobenzene (1,3-DCB)	p-Chlorotoluene	TCEP
Meclofenamic Acid	p-Dichlorobenzene (1,4-DCB)	TCPP
Meprobamate	Pentachlorophenol	TDCPP
Mercury	Pentoxifylline	tert-amyl Methyl Ether
Metazachlor	Perfluorobutanesulfonic acid	tert-Butyl Ethyl Ether
Methiocarb	Perfluorodecanoic acid	tert-Butylbenzene
Methomyl	Perfluorododecanoic acid	Testosterone
Methoxychlor	Perfluoroheptanoic acid	Tetrachloroethylene
Methyl Tert-butyl ether (MTBE)	Perfluorohexanesulfonic acid	Thallium
Methylparaben	Perfluorohexanoic acid	Theobromine
Metolachlor	Perfluorononanoic acid	Theophylline
Metribuzin	Perfluorooctanesulfonic acid	Thiabendazole
Molinate	Perfluorooctanoic acid	Thiobencarb
Naphthalene	Perfluorotetradecanoic acid	Toluene
Naproxen	Perfluorotridecanoic acid	Total 1,3-Dichloropropene
n-Butylbenzene	Perfluoroundecanoic acid	Total DCPA
N-ethyl	Phenanthrene	Total xylenes
Perfluorooctanesulfonamidoacetic acid	Phenazone	Toxaphene
Nickel	Picloram	trans-1,2-Dichloroethylene
Nifedipine	p-Isopropyltoluene	trans-1,3-Dichloropropene
Nitrate	Primidone	trans-Nonachlor
Nitrate + Nitrite	Progesterone	Trichloroethylene (TCE)
Nitrite	Propachlor	Trichlorofluoromethane
N-methyl	Propazine	Trichlorotrifluoroethane(Freon 113)
Perfluorooctanesulfonamidoacetic acid	Propylparaben	Triclocarban
Norethisterone	Pyrene	Triclosan
n-Propylbenzene	Quinoline	Trifluralin
o-Chlorotoluene	sec-Butylbenzene	Trimethoprim
o-Dichlorobenzene (1,2-DCB)	Selenium	Venlafaxine
Sulfometuron,methyl	Silver	Vinyl chloride
Oxamyl (Vydate)	Simazine	Warfarin
Oxolinic acid	Styrene	Zinc
o-Xylene	Sucralose	Cyanotoxins ¹ :
Paraquat	Sulfachloropyridazine	Microcystin, Total
PCB 1016 Aroclor	Sulfadiazine	Cylindrospermopsin
PCB 1221 Aroclor	Sulfadimethoxine	Anatoxin-A
PCB 1232 Aroclor	Sulfamerazine	Microbiological:
PCB 1242 Aroclor	Sulfamethazine	E. coli ²
PCB 1248 Aroclor	Sulfamethizole	

1 Collected from the McKenzie River Intake to the Water Treatment Plant

2 Collected from the Water Distribution System throughout Eugene