Eugene Water & Electric Board
2018 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			
Barium	2	0.0017	0.0016 - 0.0018
DISINFECTION BY-PRODUCTS*			
Total Trihalomethanes (µg/L)	80	18.4	11.6 - 26.1
Haloacetic Acids (µg/L)	60	12.7	4.6 - 20.9
MICROORGANISMS			
Turbidity (NTU)	0.3	0.024	0.015 - 0.034
SECONDARY STANDARDS & ADDITIONAL PARAMETERS			
Alkalinity	No Limit	23	20 - 27
Aluminum	0.05-0.2	0.021	0.014 - 0.036
Calcium	No Limit	4.2	3.8 - 4.7
Chloride	250	2.2	2.1 - 2.3
Chlorine	4	0.71	0.66 - 0.78
Conductivity (µs)	No Limit	63	56 - 76
Hardness	250	18	16 - 20
Heterotrophic Bacteria (CFU)	500	1	0 - 76
Magnesium	No Limit	1.8	1.6 - 2.1
Manganese (µg/L)	50	0.6	0.54 - 0.73
Odor (TON)	3	1.6	1 - 2.2
pH (pH Units)	6.5 - 8.5**	7.9	7.8 - 8.0
Silica	No Limit	19.8	18.4 - 22.1
Sodium	No Limit	5.9	5.5 - 6.7
Sulfate	250	4.1	2.9 - 5.2
Total Dissolved Solids	500	56	39 - 67
Total Organic Carbon	No Limit	0.41	0.30 - 0.60
Total Solids	No Limit	50	48 - 54

* Samples collected throughout Eugene's water distribution system.

** 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 2018 the following contaminants were monitored for but not detected in EWEB's water.

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1,1,1,2-Tetrachloroethane
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethylene
1,1-Dichloropropene
1,2,3-Trichlorobenzene
1,2,3-Trichloropropane
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dibromo-3-chloropropane
1,2-Dibromoethane
1,2-Dichloroethane
1,2-Dichloropropane
1,3,5-Trimethylbenzene
1,3-Dichloropropane
1,3-Dichloropropene
1-butanol
2,2-Dichloropropane
2,4,5-T
2,4,5-TP (Silvex)
2,4-D
2,4-DB
2,4-Dinitrotoluene
2-Butanone (MEK)
2-methoxyethanol
2-propen-1-ol
3,5-Dichlorobenzoic acid
3-Hydroxycarbofuran
4-Methyl-2-Pentanone (MIBK)
Acenaphthylene
Acifluorfen
Alachlor
Aldicarb
Aldicarb sulfone
Aldicarb sulfoxide
Aldrin
alpha-Chlordane
alpha-hexachlorocyclohexane
Anthracene
Antimony
Apparent Color
Arsenic
Atrazine
Baygon
Bentazon
Benz(a)Anthracene
Benzene
Benzo(a)pyrene
Benzo(b)Fluoranthene
Benzo(g,h,i)Perylene
Benzo(k)Fluoranthene
Beryllium
bis(2-Ethylhexyl)adipate
bis(2-ethylhexyl)phthalate
Bromacil
Bromide
Bromobenzene
Bromochloromethane
Bromoethane
Bromoform
Bromomethane
Butachlor
Butylated hydroxyanisole
Butylbenzylphthalate
Cadmium
Caffeine
Carbaryl
Carbofuran (Furadan)
Carbon disulfide
Carbon Tetrachloride
Chlordane
Chlorobenzene
Chlorodibromomethane
Chloroethane
Chloromethane
Chlorpyrifos
Chromium
Chrysene
cis-1,2-Dichloroethylene
cis-1,3-Dichloropropene
Color
Copper
Cyanide
Dalapon
Di-(2-Ethylhexyl)adipate
Di(2-Ethylhexyl)phthalate
Diazinon (Qualitative)
Dibenz(a,h)Anthracene
Dibromochloromethane
Dibromochloropropane
(DBCP)
Dibromomethane
Dicamba
Dichlorodifluoromethane
Dichloromethane
Dichlorprop
Dieldrin
Diethylphthalate
Di-isopropyl ether
Dimethipin
Dimethoate
Dimethylphthalate
Di-n-Butylphthalate
Dinoseb
Diquat
Endothall
Endrin
Ethoprop
Ethyl Benzene
Ethylene Dibromide (EDB)
Fluoranthene
Fluorene
Fluoride
gamma-BHC (Lindane)
gamma-Chlordane
Germanium
Glyphosate
Heptachlor Epoxide (isomer B)
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Indeno(1,2,3,c,d)Pyrene
Iron
Isophorone
Isopropylbenzene
Lead
m,p-Xylenes
m-Dichlorobenzene (1,3-DCB)
Mercury
Methiocarb
Methomyl
Methoxychlor
Methyl Tert-butyl ether
Metolachlor
Metribuzin
Molinate
Monochlorobenzene
Naphthalene
n-Butylbenzene
N-ethyl
Nickel
Nitrate Nitrogen
Nitrite Nitrogen
Nitrogen, Nitrate-Nitrite
N-methyl
n-Propylbenzene
o-Chlorotoluene
o-Dichlorobenzene (1,2-DCB)
o-toluidine
Oxamyl (Vydate)
oxyfluorfen
o-Xylene
Paraquat
PCB 1016 Aroclor
PCB 1221 Aroclor
PCB 1232 Aroclor
PCB 1242 Aroclor
PCB 1248 Aroclor
PCB 1254 Aroclor
PCB 1260 Aroclor
p-Chlorotoluene
p-Dichlorobenzene
p-Dichlorobenzene (1,4-DCB)
Pentachlorophenol
Perfluorobutanesulfonic acid
Perfluorodecanoic acid
Perfluorododecanoic acid
Perfluoroheptanoic acid
Perfluorohexanesulfonic acid
Perfluorohexanoic acid
Perfluorononanoic acid
Perfluorooctanesulfonic acid
Perfluorooctanoic acid
Perfluorotetradecanoic acid
Perfluorotridecanoic acid
Perfluoroundecanoic acid
Phenanthrene
Picloram
p-Isopropyltoluene
Polychlorinated Biphenyls
Profenofos
Propachlor
Pyrene
Quinoline
sec-Butylbenzene
Selenium
Silver
Simazine
Styrene
Surfactants
Tebuconazole
tert-amyl Methyl Ether
tert-Butyl Ethyl Ether
tert-Butylbenzene
Tetrachloroethene
Tetrachloroethylene (PCE)
Thallium
Thiobencarb (ELAP)
Toluene
Tot DCPA Mono&Diacid
Degradate
Total 1,3-Dichloropropene
Total permethrin (cis-&trans-)
Toxaphene
trans-1,2-Dichloroethylene
trans-1,3-Dichloropropene
trans-Nonachlor
tribufos
Trichloroethylene (TCE)
Trichlorofluoromethane
Freon 113
Trifluralin
Vinyl chloride
Xylenes, Total
Zinc
Cyanotoxins:
- Microcystin, Total
- Microcystin-LA
- Microcystin-LF
- Microcystin-LR
- Microcystin-LY
- Microcystin-RR
- Microcystin-YR
- Cylindrospermopsin
- Anatoxin-A
- Nodularin
- Saxitoxin

Microbiological:
- Total Coliform*
- E. coli*

*Collected from the Distribution System throughout Eugene