

15A NCAC 02L .0202 Groundwater Quality Standards

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Substance	Standard (µg/L- unless otherwise indicated)
Acenaphthene	80
Acenaphthylene	200
Acetic acid	5 mg/L
Acetochlor	100
Acetochlor ESA	500
Acetochlor OXA	500
Acetone	6 mg/L
Acetophenone	700
Acrolein	4
Acrylamide	0.008
Alachlor	2
Aldrin	0.002
Anthracene	2 mg/L
Antimony	1
Arsenic	10
Atrazine and chlorotriazine metabolites	3
Barium	700
Benzene	1
Benzo(a)anthracene	0.05
Benzo(a)pyrene	0.005
Benzo(b)fluoranthene	0.05
Benzo(g,h,i)perylene	200
Benzo(k)fluoranthene	0.5
Benzoic acid	30 mg/L
Benzyl alcohol	700
Beryllium	4

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Substance	Standard (µg/L- unless otherwise indicated)
Bis(chloroethyl)ether	0.03
Bis(2-ethylhexyl)phthalate (di(2-ethylhexyl)phthalate)	3
Boron	700
Bromodichloromethane	0.6
Bromoform (tribromomethane)	4
Bromomethane	10
n-Butanol	590
sec-Butanol	10 mg/L
n-Butylbenzene	70
sec-Butylbenzene	70
tert-Butylbenzene	70
Butylbenzyl phthalate	1 mg/L
Cadmium	2
Caprolactam	4 mg/L
Carbofuran	40
Carbon disulfide	700
Carbon tetrachloride	0.3
Chlordane	0.1
Chloride	250 mg/L
Chlorobenzene	50
Chloroethane	3 mg/L
Chloroform (trichloromethane)	70
Chloromethane (methyl chloride)	3
2-Chlorophenol	0.4
2-Chlorotoluene (o-chlorotoluene)	100

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4-Chlorotoluene	24
Chromium	10
Chrysene	5
Cobalt	1
Coliform organisms (total)	1 per 100 mL
Color	15 color units
Copper	1 mg/L
Cyanide (free cyanide)	70
2,4-D (2,4-dichlorophenoxy acetic acid)	70
Dalapon	200
DDD	0.1
DDE	0.1
DDT	0.1
Dibenzo(a,h)anthracene	0.005
1,4-Dibromobenzene	70
Dibromochloromethane	0.4
1,2-Dibromo-3-chloropropane	0.04
Dibutyl phthalate (di-n-butyl phthalate)	700
Dichloroacetic acid	0.7
1,2-Dichlorobenzene (o-dichlorobenzene)	20
1,3-Dichlorobenzene (m-dichlorobenzene)	200
1,4-Dichlorobenzene (p-dichlorobenzene)	6
Dichlorodifluoromethane (Freon-12; Halon)	1 mg/L
1,1-Dichloroethane	6
1,2-Dichloroethane (ethylene dichloride)	0.4

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1,2-Dichloroethene (cis)	70
1,2-Dichloroethene (trans)	100
1,1-Dichloroethylene (vinylidene chloride)	350 ¹
2,4-Dichlorophenol	0.98
1,2-Dichloropropane	0.6
1,3-Dichloropropene (cis and trans isomers)	0.4
Dieldrin	0.002
Diethylphthalate	6 mg/L
2,4-Dimethylphenol (m-xylene)	100
2,4-Dinitrotoluene	0.05
2,6-Dinitrotoluene	0.05
Di-n-octyl phthalate	100
Dinoseb	7
1,4-Dioxane (p-dioxane)	3
Dioxin (2,3,7,8-TCDD)	0.0002 ng/L
1,1-Diphenyl (1,1-biphenyl)	400
Diphenyl ether	180
Diquat	20
Dissolved solids (total)	500 mg/L
Disulfoton	0.3
Diundecyl phthalate (Santicizer 711)	100
Endosulfan (includes technical mixture of alpha and beta isomers)	40

¹ 1,1-Dichloroethylene (vinylidene chloride, or 1,1 DCE) was adopted by the Environmental Management Commission in accordance with 15A NCAC 02L .0202 (f) and is above the federal MCL. Where a private drinking water well or public water system is impacted by 1,1 DCE, the applicable standard is 7 ug/L, in accordance with 15A NCAC 02L .0202.

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Endosulfan sulfate	40
Endothall	100
Endrin, total (includes endrin, endrin aldehyde, and endrin ketone)	2
Epichlorohydrin	4
Ethyl acetate	3 mg/L
Ethylbenzene	600
Ethylene dibromide (1,2-dibromoethane)	0.02
Ethylene glycol	10 mg/L
Fluoranthene	300
Fluorene	300
Fluoride	2 mg/L
Foaming agents	500
Formaldehyde	600
Gross alpha (adjusted) particle activity (excludes radium-226 and uranium)	15 pCi/L
Heptachlor	0.008
Heptachlor epoxide	0.004
Heptane	400
Hexachlorobenzene (perchlorobenzene)	0.02
Hexachlorobutadiene	0.4
Hexachlorocyclohexane isomers (technical grade)	0.02
alpha-Hexachlorocyclohexane	0.006
beta-Hexachlorocyclohexane	0.02
gamma-Hexachlorocyclohexane (Lindane)	0.03
Hexafluoropropylene oxide dimer acid (HFPO-DA)	10 ng/L

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n-Hexane	400
Indeno(1,2,3-cd)pyrene	0.05
Iron	300
Isophorone	40
Isopropyl ether	70
Isopropylbenzene	70
4-Isopropyltoluene	25
Lead	15
Manganese	50
Mercury	1
Methanol	4 mg/L
Methoxychlor	40
Methylene chloride (dichloromethane)	5
Methyl butyl ketone	40
Methyl ethyl ketone (2-butanone)	4 mg/L
Methyl isobutyl ketone	100
Methyl methacrylate	25
1-Methylnaphthalene	1
2-Methylnaphthalene	30
2-Methylphenol (o-cresol)	400
3-Methylphenol (m-cresol)	400
4-Methylphenol (p-cresol)	40
Methyl tert-butyl ether (MTBE)	20
Naphthalene	6
Nickel	100
Nitrate (as N)	10 mg/L

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Nitrite (as N)	1 mg/L
N-nitrosodimethylamine	0.0007
Oxamyl	200
Pentachlorophenol	0.3
Petroleum aliphatic carbon fraction class (C ₅ -C ₈)	400
Perfluorooctanoic acid (PFOA)	0.001 ng/L
Perfluorooctane sulfonic acid (PFOS)	0.7 ng/L
Petroleum aliphatic carbon fraction class (C ₉ -C ₁₈)	700
Petroleum aliphatic carbon fraction class (C ₁₉ -C ₃₆)	10 mg/L
Petroleum aromatics carbon fraction class (C ₉ -C ₂₂)	200
pH	6.5 - 8.5 (no unit)
Phenanthrene	200
Phenol	30
Phorate	1
n-Propylbenzene	70
Propylene glycol	100 mg/L
Pyrene	200
Selenium	20
Silver	20
Simazine	4
Strontium	2 mg/L
Styrene	70
Sulfate	250 mg/L
1,2,4,5-Tetrachlorobenzene	2

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1,1,2,2-Tetrachloroethane	0.2
1,1,1,2-Tetrachloroethane	1
Tetrachloroethylene (perchloroethylene; PCE)	0.7
2,3,4,6-Tetrachlorophenol	200
Thallium	2
Tin (inorganic forms)	2 mg/L
Toluene	600
Toxaphene	0.03
2,4,5-TP (Silvex)	50
1,2,4-Trichlorobenzene	70
1,1,1-Trichloroethane	200
1,1,2-Trichloroethane	0.6
Trichloroethylene (TCE)	3
Trichlorofluoromethane	2 mg/L
2,4,5-Trichlorophenol	63
2,4,6-Trichlorophenol	4
1,2,3-Trichloropropane	0.005
1,2,4-Trimethylbenzene	400
1,3,5-Trimethylbenzene	400
1,1,2-Trichloro-1,2,2-trifluoroethane (CFC- 113)	200 mg/L
Vanadium	7
Vinyl chloride	0.03
Xylenes (o-, m-, p-)	500
Zinc	1 mg/L