

NDEP Reportable Concentrations for Groundwater¹

Version: 4/25/2025

Analyte	CAS No.	Reportable Concentration ² (µg/L)
Alachlor	15972-60-8	2.0
Aldicarb	116-06-3	3.0
Aldicarb Sulfone	1646-88-4	2.0
Aldicarb sulfoxide	1646-87-3	4.0
Antimony (metallic)	7440-36-0	6.0
Arsenic, Inorganic	7440-38-2	10
Asbestos (units in fibers)	1332-21-4	7,000,000
Atrazine	1912-24-9	3.0
Barium	7440-39-3	2,000
Benzene	71-43-2	5.0
Beryllium and compounds	7440-41-7	4.0
Bromate	15541-45-4	10
Bromoacetic acid	79-08-3	60
Bromodichloromethane	75-27-4	80
Bromoform	75-25-2	80
Cadmium (Water)	7440-43-9	5.0
Carbofuran	1563-66-2	40
Carbon Tetrachloride	56-23-5	5.0
Chloramines, Organic	E701235	4,000
Chlordane (technical mixture)	12789-03-6	2.0
Chlorine	7782-50-5	4,000
Chlorine Dioxide	10049-04-4	800
Chlorite (Sodium Salt)	7758-19-2	1,000
Chloroacetic Acid	79-11-8	60
Chlorobenzene	108-90-7	100
Chloroform	67-66-3	80
Chromium, Total	7440-47-3	100
Copper	7440-50-8	1,300
Cyanide (CN-)	57-12-5	200
Sodium Cyanide	143-33-9	200
Dalapon	75-99-0	200
Di(2-ethylhexyl)adipate	103-23-1	400
Dibromoacetic acid	631-64-1	60
Dibromochloromethane	124-48-1	80
Dibromoethane, 1,2-	106-93-4	0.050
Dichloramine	3400-09-7	4,000
Dichloroacetic Acid	79-43-6	60
Dichlorobenzene, 1,2-	95-50-1	600
Dichlorobenzene, 1,4-	106-46-7	75
Dichloroethane, 1,2-	107-06-2	5.0
Dichloroethylene, 1,1- (1,1-DCE)	75-35-4	7.0
Dichloroethylene, cis-1,2- (cis-1,2-DCE)	156-59-2	70
Dichloroethylene, trans-1,2- (trans-1,2-DCE)	156-60-5	100
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	70
Dichloropropane, 1,2-	78-87-5	5.0
Dinoseb	88-85-7	7.0
TCDD, 2,3,7,8-	1746-01-6	0.000030
Diquat	2764-72-9	20
Endothall	145-73-3	100
Endrin	72-20-8	2.0
Ethylbenzene	100-41-4	700

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Fluoride	16984-48-8	4,000
Fluorine (Soluble Fluoride)	7782-41-4	4,000
Glyphosate	1071-83-6	700
Heptachlor	76-44-8	0.40
Heptachlor Epoxide	1024-57-3	0.20
Hexachlorobenzene	118-74-1	1.0
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	0.2
Hexachlorocyclopentadiene	77-47-4	50
Lead and Compounds	7439-92-1	10.0
Mercuric Chloride (and other Mercury salts)	7487-94-7	2.0
Mercury (elemental)	7439-97-6	2.0
Methoxychlor	72-43-5	40
Methylene Chloride	75-09-2	5.0
Monochloramine	10599-90-3	4,000
Nitrate (measured as nitrogen)	14797-55-8	10,000
Nitrate + Nitrite (measured as nitrogen)	E701177	10,000
Nitrite (measured as nitrogen)	14797-65-0	1,000
Oxamyl	23135-22-0	200
Pentachlorophenol	87-86-5	1.0
Hexafluoropropylene oxide dimer acid (HFPA-DA) ⁴	13252-13-6	0.010
Perfluoro(2-propoxypropanoate)	122499-17-6	0.010
Perfluorobutanesulfonic acid (PFBS) ⁴	375-73-5	see note 4
Perfluorohexanesulfonate	108427-53-8	0.010
Perfluorohexanesulfonic acid (PFHxS) ⁴	355-46-4	0.010
Perfluorononanoate	72007-68-2	0.010
Perfluorononanoic acid (PFNA) ⁴	375-95-1	0.010
Perfluorooctanesulfonate	45298-90-6	0.0040
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.0040
Perfluorooctanoate	45285-51-6	0.0040
Perfluorooctanoic acid (PFOA)	335-67-1	0.0040
Perchlorate and Perchlorate Salts	14797-73-0	15
Bis(2-ethylhexyl)phthalate	117-81-7	6.0
Picloram	1918-02-1	500
Polychlorinated Biphenyls (high risk)	1336-36-3	0.50
Polychlorinated Biphenyls (low risk)	1336-36-3	0.50
Polychlorinated Biphenyls (lowest risk)	1336-36-3	0.50
Benzo[a]pyrene	50-32-8	0.20
Selenium	7782-49-2	50.0
Simazine	122-34-9	4.0
Sodium Fluoride	7681-49-4	4,000
Styrene	100-42-5	100
Tetrachloroethylene (PCE)	127-18-4	5.0
Thallium (Soluble Salts)	7440-28-0	2.0
Toluene	108-88-3	1,000
Toxaphene	8001-35-2	3.0
Trichloramine	10025-85-1	4,000
Trichloroacetic Acid	76-03-9	60
Trichlorobenzene, 1,2,4-	120-82-1	70
Trichloroethane, 1,1,1-	71-55-6	200
Trichloroethane, 1,1,2-	79-00-5	5.0

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Trichloroethylene (TCE)	79-01-6	5.0
Trichlorophenoxypropionic acid, -2,4,5	93-72-1	50
Uranium	7440-61-1	30
Vinyl Chloride	75-01-4	2.0
Xylenes	1330-20-7	10,000

Notes:

¹ This table is only applicable to the discovery of contaminants in groundwater. Any observed release to **surface water** is reportable at the time of observation. If a release to surface water is not observed but is discovered through visual indications or sampling, the release is reportable based on the presence of a visible sheen or concentrations above surface water standards established in NAC 445A.11704 to 445A.2234.

² The reportable concentrations in this table are all based on federal Maximum Contaminant Levels (MCLs) with the exception of MTBE, which has an NDEP-derived level. However, reporting requirements for groundwater are not limited to constituents with a promulgated MCL. In determining whether the discovery in groundwater of a pollutant or contaminant without an MCL is reportable, a facility owner may rely on background concentrations, secondary standards, or EPA tap water Regional Screening Levels.

³ Background concentrations are not reportable regardless of whether they are above reportable concentrations.

⁴ In 2024, EPA finalized MCLs for six Per- and Polyfluoroalkyl Substances (PFAS) in drinking water: PFOA, PFOS, PFHxS, PFNA, and HFPO-DA as contaminants with individual MCLs, and PFAS mixtures containing at least two or more of PFHxS, PFNA, HFPO-DA, and PFBS using a Hazard Index MCL to account for the combined and co-occurring levels of these PFAS in drinking water.

The Hazard Index can be calculated using the following steps:

Step 1. Divide the measured concentration of HFPO-DA by its health-based value of 10 ppt.

Step 2. Divide the measured concentration of PFBS by its health-based value of 2000 ppt.

Step 3. Divide the measured concentration of PFNA by its health-based value of 10 ppt.

Step 4. Divide the measured concentration of PFHxS by its health-based value of 10 ppt.

Step 5. Add the ratios from steps 1, 2, 3 and 4 together.

Equation: Hazard Index (1 unitless) = $\left(\frac{[\text{HFPO-DA}_{\text{ppt}}]}{[10 \text{ ppt}]} \right) + \left(\frac{[\text{PFBS}_{\text{ppt}}]}{[2000 \text{ ppt}]} \right) + \left(\frac{[\text{PFNA}_{\text{ppt}}]}{[10 \text{ ppt}]} \right) + \left(\frac{[\text{PFHxS}_{\text{ppt}}]}{[10 \text{ ppt}]} \right)$