Ground Water Quality Standards - Class IIA by Constituent

Constituents Name	CASRN	Ground Water Quality (µg/l or ppb)	Practical Quantitation Level (PQL) (µg/l or ppb)	Higher of PQL or Ground Water Quality (µg/l or ppb)	Interim Type	Updated
Acenaphthene	83-32-9	400	10	400	Specific	
Acenaphthlyene	208-96-8	100	10	100	Interim Generic	
Acetone	67-64-1	6,000	10	6,000	Specific	
Acetonitrile	75-05-8	100	9	100	Interim Generic	
Acetophenone	98-86-2	700	10	700	Specific	
Acrolein	107-02-8	4	5	5	Specific	
Acrylamide	79-06-1	0.008	0.2	0.2	Specific	
Acrylonitrile	107-13-1	0.06	2	2	Specific	
Adipates (Di(ethylhexyl)adipate) (DEHA)	103-23-1	30	3	30	Specific	
Alachlor	15972-60-8	0.4	0.1	0.4	Specific	
Aldicarb sulfone	1646-88-4	7	0.3	7	Specific	
Aldrin	309-00-2	0.002	0.04	0.04	Specific	
Aluminum	7429-90-5	200	30	200	Specific	
Ammonia (Total)	7664-41-7	3,000	200	3,000	Specific	
Aniline	62-53-3	6	2	6	Specific	
Anthracene	120-12-7	2,000	10	2,000	Specific	
Antimony (Total)	7440-36-0	6	3	6	Specific	
Arsenic (Total)	7440-38-2	0.02	3	3	Specific	
Asbestos	1332-21-4	$7*10^6$f/L>10um[a]	10^6f/L>10um[a]	$7*10^6$f/L>10um[a]	Specific	
Atrazine	1912-24-9	3	0.1	3	Specific	
Barium	7440-39-3	6,000	200	6,000	Specific	
Benzo(a)anthracene	56-55-3	0.05	0.1	0.1	Specific	
Benzene	71-43-2	0.2	1	1	Specific	
Benzidine	92-87-5	0.0002	20	20	Specific	
Benzo(a)pyrene(BaP)	50-32-8	0.005	0.1	0.1	Specific	
Benzo(b)fluoranthene (3,4-Benzofluoranthene)	205-99-2	0.05	0.2	0.2	Specific	
Benzo(ghi)perylene	191-24-2	100	0.3	100	Interim Generic	
Benzo(k)fluoranthene	207-08-9	0.5	0.3	0.5	Specific	
Benzoic Acid	65-85-0	30,000	50	30,000	Specific	
Benzyl Alcohol	100-51-6	2,000	20	2,000	Specific	
Beryllium	7440-41-7	1	1	1	Specific	
BHC (alpha- HCH) (benzenehydrochloride)	319-84-6	0.006	0.02	0.02	Specific	
beta (beta-HCH)	319-85-7	0.02	0.04	0.04	Specific	
BHC (gamma-HCH/Lindane)	58-89-9	0.03	0.02	0.03	Specific	
Biphenyl (Diphenyl) (1,1 biphenyl)	92-52-4	400	10	400	Specific	

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Bis(2-chloroethyl) ether (Dichloroethyl ether)	111-44-4	0.03	7	7	Specific	
Bis(2-chloroisopropyl)ether	108-60-1	300	10	300	Specific	
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	3	3	3	Specific	
Bromodichloromethae (Dichloro bromomethane)	75-27-4	0.6	1	1	Specific	
Bromoform	75-25-2	4	0.8	4	Specific	
Bromomethane (Methyl bromide)	74-83-9	10	1	10	Specific	
2-Butanone (Methyl Ether Ketone)	78-93-3	300	2	300	Specific	
Butyl benzyl phthalate	85-68-7	100	1	100	Specific	
Cadmium	7440-43-9	4	0.5	4	Specific	
Camphor	76-22-2	1,000	0.5	1,000	Specific	
Caprolactam	105-60-2	4,000	60	4,000	Specific	1/16/2018
Carbofuran	1563-66-2	40	0.5	40	Specific	
Carbon Disulfide	75-15-0	700	1	700	Specific	
Carbon Tetrachloride	56-23-5	0.4	1	1	Specific	
Chlordane	57-74-9	0.01	0.5	0.5	Specific	
1-Chloro-1,1-difluoroethane	75-68-3	100,000	500	100,000	Specific	1/16/2018
Chloride	16887-00-6	250,000	2,000	250,000	Specific	
4-Chloro-3 methylphenol (3-Methyl-4-chlorophenol)	59-50-7	100	20	100	Interim Generic	
4-Chloroaniline (p-Chloroaniline)	106-47-8	30	10	30	Specific	
Chlorobenzene	108-90-7	50	1	50	Specific	
Chloroethane	75-00-3	5	0.5	5	Interim Generic	
Chloroform	67-66-3	70	1	70	Specific	
2-Chloronaphthalene	91-58-7	600	10	600	Specific	
2-Chlorophenol	95-57-8	40	20	40	Specific	
Chlorpyrifos	2921-88-2	20	0.1	20	Specific	
Chromium (Total)	7440-47-3	70	1	70	Specific	
Chrysene	218-01-9	5	0.2	5	Specific	
Cobalt	7440-48-4	100	0.5	100	Specific	1/16/2018
Color (unit= "Color Unit")	color	10 CU	5 CU	10 CU	Specific	
Copper	7440-50-8	1,300	4	1,300	Specific	

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Cumene (isopropyl benzene)	98-82-8	700	1	700	Specific	
Cyanide (free cyanide)	57-12-5	100	6	100	Specific	
Dalapon (2,2-Dichloropropionic acid)	75-99-0	200	0.1	200	Specific	
4,4'-DDD (p,p'-TDE)	72-54-8	0.1	0.02	0.1	Specific	
4,4'-DDE	72-55-9	0.1	0.01	0.1	Specific	
4,4'-DDT	50-29-3	0.1	0.1	0.1	Specific	
Demeton	8065-48-3	0.3	1	1	Specific	
Dibenz(a,h)anthracene	53-70-3	0.005	0.3	0.3	Specific	
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0.02	0.02	0.02	Specific	
Dibromochloromethane (Chlorodibromomethane)	124-48-1	0.4	1	1	Specific	
Dichlormid	37764-25-3	600	50	600	Specific	1/16/2018
1,1-Dichloro-1-fluoroethane	1717-00-6	500	30	500	Specific	1/16/2018
1,2-Dichlorobenzene (ortho)	95-50-1	600	5	600	Specific	
1,3-Dichlorobenzene (meta)	541-73-1	600	5	600	Specific	
1,4-Dichlorobenzene (para)	106-46-7	75	5	75	Specific	
3,3'-Dichlorobenzidine	91-94-1	0.08	30	30	Specific	
1,1-Dichloroethane (1,1-DCA)	75-34-3	50	1	50	Specific	
1,2-Dichloroethane	107-06-2	0.3	2	2	Specific	
1,2-Dichloroethylene (cis)	156-59-2	70	1	70	Specific	
1,2-Dichloroethylene(trans)	156-60-5	100	1	100	Specific	
1,1-Dichloroethylene (1,1-DCE)	75-35-4	1	1	1	Specific	
2,4-Dichlorophenol	120-83-2	20	10	20	Specific	
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	70	2	70	Specific	
1,2-Dichloropropane	78-87-5	0.5	1	1	Specific	
1,3-Dichloropropene(cis and trans)	542-75-6	0.4	1	1	Specific	
Dieldrin	60-57-1	0.002	0.03	0.03	Specific	
Diethyl phthalate	84-66-2	6,000	1	6,000	Specific	
Diisodecyl phthalate (DIDP)	26761-40-0	100	3	100	Specific	
Diisopropyl ether (DIPE)	108-20-3	20,000	5	20,000	Specific	

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2,4-Dimethyl phenol	105-67-9	100	20	100	Specific	
Dimethyl phthalate	131-11-3	100	10	100	Interim Generic	
Di-n-butyl phthalate	84-74-2	700	1	700	Specific	
4,6-Dinitro-o-Cresol (2 Methyl-4,6-Dinitrophenol)	534-52-1	0.7	0.03	0.7	Specific	1/16/2018
2,4-Dinitrophenol	51-28-5	10	40	40	Specific	
2,4-Dinitrotoluene/2,6-Dinitrotoluene Mix	25321-14-6	0.05	10	10	Specific	
Di-n-octyl phthalate	117-84-0	100	10	100	Specific	
Dinoseb	88-85-7	7	2	7	Specific	
1,4-Dioxane	123-91-1	0.4	0.1	0.4	Specific	1/16/2018
Diphenylamine	122-39-4	200	20	200	Specific	
Diphenyl oxide (ether)	101-84-8	100	10	100	Specific	1/16/2018
1,2-Diphenylhydrazine	122-66-7	0.04	20	20	Specific	
Diquat	85-00-7	20	2	20	Specific	
Endosulfan (alpha & beta)	115-29-7	40	0.1	40	Specific	
Endosulfan (Endosulfan I)	959-98-8	40	0.02	40	Specific	
Endosulfan (Endosulfan II)	33213-65-9	40	0.04	40	Specific	
Endosulfan Sulfate	1031-07-8	40	0.02	40	Specific	
Endothall	145-73-3	100	60	100	Specific	
Endrin	72-20-8	2	0.03	2	Specific	
Epichlorohydrin	106-89-8	4	5	5	Specific	
Ethion	563-12-2	4	0.5	4	Specific	
Ethyl acetate	141-78-6	6,000	10	6,000	Specific	
Ethyl ether	60-29-7	1,000	50	1,000	Specific	
2-Ethyl-1-Hexanol	104-76-7	200	0.5	200	Specific	1/16/2018
Ethylbenzene	100-41-4	700	2	700	Specific	
Ethylene dibromide (EDB) (1,2-Dibromoethane)	106-93-4	0.0004	0.03	0.03	Specific	
Ethylene glycol	107-21-1	300	200	300	Specific	
Ethylene glycol monomethyl ether	109-86-4	7	20,000	20,000	Specific	
Fluoranthene	206-44-0	300	10	300	Specific	
Fluorene	86-73-7	300	1	300	Specific	
Fluoride	16984-48-8	2,000	500	2,000	Specific	
Foaming Agents (ABS/LAS)	foaming	500	0.5	500	Specific	
Formaldehyde	50-00-0	100	30	100	Specific	
Freon 11 (Trichlorofluoromethane)	75-69-4	2,000	1	2,000	Specific	

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Freon 12 (Dichlorodifluoromethane)	75-71-8	1,000	2	1,000	Specific	
Glyphosate	1071-83-6	700	30	700	Specific	
Hardness (as CaCO3)	hardness	250,000	10,000	250,000	Specific	
Heptachlor	76-44-8	0.008	0.05	0.05	Specific	
Heptachlor epoxide	1024-57-3	0.004	0.2	0.2	Specific	
n-Heptane	142-82-5	100	0.5	100	Interim Generic	
Hexachlorobenzene	118-74-1	0.02	0.02	0.02	Specific	
Hexachlorobutadiene	87-68-3	0.4	1	1	Specific	
Hexachlorocyclopentadiene	77-47-4	40	0.5	40	Specific	
Hexachloroethane	67-72-1	2	7	7	Specific	
Hexahydro-1,3,5-Trinitro-1,3,5- Triazine(RDX)	121-82-4	0.3	0.5	0.5	Specific	1/16/2018
Hexane (n-Hexane)	110-54-3	30	5	30	Specific	
2-Hexanone	591-78-6	40	1	40	Specific	1/16/2018
Indeno (1,2,3-cd)pyrene	193-39-5	0.05	0.2	0.2	Specific	
Iron	7439-89-6	300	20	300	Specific	
Isophorone	78-59-1	40	10	40	Specific	
Lead (Total)	7439-92-1	5	5	5	Specific	
Malathion	121-75-5	100	0.6	100	Specific	
Manganese	7439-96-5	50	0.4	50	Specific	
Mercury (Total)	7439-97-6	2	0.05	2	Specific	
Methanol	67-56-1	4,000	70	4,000	Specific	
Methoxychlor	72-43-5	40	0.1	40	Specific	
Methyl acetate	79-20-9	7,000	0.5	7,000	Specific	
Methyl Salicylate	119-36-8	4,000	50	4,000	Specific	
Methyl tert butyl ether (MTBE)	1634-04-4	70	1	70	Specific	
2-(2-Methyl-4-chlorophenoxy) propionic acid (MCPP)	93-65-2	7	0.5	7	Specific	1/16/2018
Methylene chloride	75-09-2	3	1	3	Specific	
2-Methylnaphthalene	91-57-6	30	10	30	Specific	1/16/2018
1-Methylnaphthalene	90-12-0	5	0.7	5	Interim Generic	
3-Methylphenol (m-Cresol)	108-39-4	50	0.1	50	Specific	1/16/2018
2-Methylphenol (o-cresol)	95-48-7	50	0.1	50	Specific	1/16/2018
4-Methylphenol (p-cresol)	106-44-5	50	0.1	50	Specific	1/16/2018
Metolachlor	51218-45-2	100	0.5	100	Specific	1/16/2018
Mirex	2385-85-5	0.1	0.08	0.1	Specific	
Molybdenum	7439-98-7	40	2	40	Specific	

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n-Butanol (n-butyl alcohol)	71-36-3	700	20	700	Specific	
Naphthalene	91-20-3	300	2	300	Specific	
Nickel (Soluble salts)	7440-02-0	100	4	100	Specific	
Nitrate (as N)	14797-55-8	10,000	100	10,000	Specific	
Nitrate and Nitrite	n&n	10,000	10	10,000	Specific	
Nitrite	14797-65-0	1,000	10	1,000	Specific	
Nitrobenzene	98-95-3	4	6	6	Specific	
N-Nitrosodimethylamine	62-75-9	0.0007	0.8	0.8	Specific	
N-Nitrosodi-n-propylamine (Di-n- propylnitrosamine)	621-64-7	0.005	10	10	Specific	
N-Nitrosodiphenylamine	86-30-6	7	10	10	Specific	
n-Propanol	71-23-8	100	40	100	Interim Generic	
Odor (measure by Threshold Odor Number	odor	3[b]	NA	3[b]	Specific	
Oil, Grease, & Petroleum Hydrocarbons	NA	None Noticeable	NA	None Noticeable	Specific	
Oxamyl	23135-22-0	200	1	200	Specific	
Parathion	56-38-2	4	0.08	4	Specific	
PBBs (Polybrominated biphenyls)	67774-32-7	0.004	0.001	0.004	Specific	
PCBs (Polychlorinated biphenyls)	1336-36-3	0.02	0.5	0.5	Specific	
Pentachlorophenol	87-86-5	0.3	0.1	0.3	Specific	
Perchlorate	14797-73-0	5	3	5	Specific	1/16/2018
Perfluorononanoic Acid (PFNA)	375-95-1	0.013	0.005	0.013	Specific	9/4/2018
Perfluorooctane Sulfonate (PFOS)	1763-23-1	0.013	0.004	0.013	Specific	6/1/2020
Perfluorooctanoic Acid (PFOA)	335-67-1	0.014	0.006	0.014	Specific	6/1/2020
Phenanthrene	85-01-8	100	0.3	100	Interim Generic	
pH	pH	6.5-8.5	NA	6.5-8.5	Specific	
Phenol	108-95-2	2,000	10	2,000	Specific	
Picloram	1918-02-1	500	1	500	Specific	
Pyrene	129-00-0	200	0.1	200	Specific	
Salicylic acid	69-72-7	80	30	80	Specific	
Selenium (Total)	7782-49-2	40	4	40	Specific	
Silver	7440-22-4	40	1	40	Specific	
Simazine	122-34-9	0.3	0.8	0.8	Specific	
Sodium	7440-23-5	50,000	400	50,000	Specific	
Strontium	7440-24-6	2,000	5	2,000	Specific	1/16/2018
Styrene	100-42-5	100	2	100	Specific	

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Sulfate	14808-79-8	250,000	5,000	250,000	Specific	
Taste	taste	None Objectionable	NA	None Objectionable	Specific	
TDS (Total Dissolved Solids)	TDS	500,000	10,000	500,000	Specific	
Tertiary-Butyl alcohol (TBA)	75-65-0	100	2	100	Specific	
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1746-01-6	0.0000002	0.00001	0.00001	Specific	
1,1,1,2-Tetrachloroethane	630-20-6	1	1	1	Specific	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	20,000	0.3	20,000	Specific	1/16/2018
1,1,2,2-Tetrachloroethane	79-34-5	1	1	1	Specific	
Tetrachloroethylene (PCE)	127-18-4	0.4	1	1	Specific	
2,3,4,6-Tetrachlorophenol	58-90-2	200	3	200	Specific	
Tetrahydrofuran	109-99-9	10	10	10	Specific	
Thallium	7440-28-0	0.5	2	2	Specific	
Toluene	108-88-3	600	1	600	Specific	
Toxaphene	8001-35-2	0.03	2	2	Specific	
Tri-m-cresyl phosphate	563-04-2	3	0.1	3	Specific	1/16/2018
Tri-o-cresyl phosphate	78-30-8	3	0.1	3	Specific	1/16/2018
Tri-p-cresyl Phosphate	78-32-0	3	0.1	3	Specific	1/16/2018
1,2,4-Trichlorobenzene	120-82-1	9	1	9	Specific	
1,1,1-Trifluoroethane	420-46-2	5,000	60	5,000	Specific	1/16/2018
1,1,1-Trichloroethane (TCA)	71-55-6	30	1	30	Specific	
1,1,2-Trichloroethane	79-00-5	3	2	3	Specific	
Trichloroethene (TCE) (Trichloroethylene)	79-01-6	1	1	1	Specific	
2,4,5-Trichlorophenol	95-95-4	700	10	700	Specific	
2,4,6-Trichlorophenol	88-06-2	1	20	20	Specific	
2-(2,4,5-Trichlorophenoxy)propionic acid (Silvex)	93-72-1	60	0.6	60	Specific	
1,2,3-Trichloropropane	96-18-4	0.0005	0.03	0.03	Specific	9/4/2018
Tricresyl phosphate	1330-78-5	3	0.1	3	Specific	1/16/2018
1,2,4-Trimethylbenzene	95-63-6	100	0.08	100	Interim Generic	
2,4,6-Trinitrotoluene (TNT)	118-96-7	1	0.3	1	Specific	1/16/2018
Vanadium Pentoxide	1314-62-1	60	1	60	Specific	

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Vinyl Acetate	108-05-4	7,000	5	7,000	Specific	
Vinyl chloride	75-01-4	0.08	1	1	Specific	
Xylenes (Total)	1330-20-7	1,000	2	1,000	Specific	
Zinc	7440-66-6	2,000	10	2,000	Specific	

Ground Water Explanation of Terms

***** = Ground Water Quality Criteria and PQLs are expressed as ug/L unless otherwise noted. Table 1 criteria are all maximum values unless clearly indicated as a range for which the minimum value is to the left and the maximum value is to the right.
****** = revised via administrative change (see 39 N.J.R. 3538(a)). PQL = Practical Quantitation Level as defined in N.J.A.C. 7:9C-1.4 **CASRN** = Chemical Abstracts System Registration Number
NA = not available for this constituent.
a = Asbestos criterion is measured in terms of fibers/L longer than 10 micrometers (f/L > 10 um)
ug = micrograms
L = liter
f = fibers
CU= Standard Cobalt Units
b = Odor Threshold Number
mg = milligrams
H = Hardness
(Total) = means the concentration of metal in an unfiltered sample following treatment with hot dilute mineral acid (as defined in "Methods for Chemical Analysis of Water Wastes", EPA-600/4-79-020, March 1979) or other digestion defined by the analytical method. However, samples that contain less than 1 Nephelometric turbidity unit (NTU) and are properly preserved, may be directly analyzed without digestion.
m = Pursuant to prevailing Safe Drinking Water Act Regulations any positive result for fecal coliform is in violation of the MCL