Gross Contamination Levels for Groundwater

Compound	CAS #	North Carolina Groundwater Quality Standards* (GWQS) (ug/l)	Gross Contamination Levels for Groundwater (GCL) (ug/l)	BASIS
Acenaphthene	83-32-9	80	2120	SOL
Acenaphthylene	208-96-8	200	1965	SOL
Acetone	67-64-1	6000	6000000	STD
tert-Amyl alcohol (TAA)	75-85-4	40	40000	PQL
Tert-Amyl methyl ether (TAME)	994-05-8	128	12800	STD
Anthracene	120-12-7	2000	2000	GWQS
Barium	7440-39-3	700	700000	STD
Benzene	71-43-2	1	5000	DWSTD
Benzo(a)anthracene (benz(a)anthracene)	56-55-3	0.05	4.7	SOL
Benzo(b)fluoranthene	205-99-2	0.05	0.75	SOL
Benzo(g,h,i)perylene	191-24-2	200	200	GWQS
Benzo(k)fluoranthene	207-08-9	0.5	0.5	GWQS
Benzoic acid	65-85-0	30000	1700000	SOL
Benzo(a)pyrene	50-32-8	0.005	0.81	SOL
Benzyl alcohol	100-51-6	700	700000	STD
Bis(2-chloroethyl)ether (BCEE)	111-44-4	0.03	30	STD
Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	3	170	SOL
Bromoform (tribromomethane)	75-25-2	4	4000	STD
Bromomethane (methylbromide)	74-83-9	100	100000	STD
Butanol	71-36-3	700	700000	STD
tert-Butyl alcohol (TBA) (tert-butanol)	75-65-0	10	10000	STD
n-Butylbenzene	104-51-8	70	6900	SOL
sec-Butylbenzene	135-98-8	70	8500	SOL
tert-Butylbenzene	98-06-6	70	15000	SOL
tert-Butyl formate (TBF)	762-75-4	40	40000	PQL
Carbon disulfide	75-15-0	700	590000	SOL
Chlorobenzene	108-90-7	50	50000	STD
Chloroform (trichloromethane)	67-66-3	70	70000	STD
Chloromethane (methyl chloride)	74-87-3	3	3000	STD
4-Chlorotoluene (p-chlorotoluene)	106-43-4	24	7500	SOL
Chromium	7440-50-8	10	10000	STD
Chrysene	218-01-9	5	5	GWQS
Dibenz(a,h)anthracene	53-70-3	0.005	1.2	SOL
Dibenzofuran	132-64-9	28	28000	STD
Dibromochloromethane	124-48-1	0.4	400	STD
1, 2-Dichlorobenzene (orthodichlorobenzene)	95-50-1	20	20000	STD
1, 3-Dichlorobenzene (metadichlorobenzene)	541-73-1	200	61500	SOL

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1, 4-Dichlorobenzene (paradichlorobenzene)	106-46-7	6	6000	STD
Dichlorodifluoromethane (Freon-12; halon)	75-71-8	1000	140000	SOL
1, 1-Dichloroethane	75-34-3	6	6000	STD
1. 2-Dichloroethane (ethylene dichloride)	107-06-2	0.4	400	STD
1, 2-Dichloroethene (cis)	156-59-2	70	70000	STD
1, 2-Dichloroethene (trans)	156-60-5	100	100000	STD
1,2-Dichloroethene (cis and trans)	540-59-0	60	60000	STD
1, 1-Dichloroethylene (vinylidene chloride)	75-35-4	7	7000	STD
2,4-Dichlorophenol	120-83-2	0.98	980	STD
1, 2-Dichloropropane	78-87-5	0.6	600	STD
1, 3-Dichloropropene (cis and trans isomers)	542-75-6	0.4	400	STD
2,4-Dimethylphenol	105-67-9	100	100000	STD
Ethanol	64-17-5	4000	4000000	STD
Ethyl acetate	141-78-6	3000	3000000	STD
Ethylbenzene	100-41-4	600	84500	SOL
Ethylene dibromide (1, 2- Dibromoethane, EDB)	106-93-4	0.02	50	DWSTD
Ethylene glycol	107-21-1	10000	10000000	STD
Ethyl tert-butyl ether	63-79-23	47	47000	STD
Fluoranthene	206-44-0	300	300	GWQS
Fluorene	86-73-7	300	990	SOL
Hexachlorobutadiene	87-68-3	0.4	400	STD
2-Hexanone (methyl n-butyl ketone)	591-78-6	40	40000	STD
Indeno(1,2,3-cd)pyrene	193-39-5	0.05	0.05	GWQS
Isopropyl benzene (cumene)	98-82-8	70	25000	SOL
Isopropyl ether (diisopropyl ether)	108-20-3	70	70000	STD
4-Isopropyltoluene (p-isopropyltoluene, p-cymene)	99-87-6	25	11700	SOL
Lead	7439-92-1	15	15000	STD
Methanol	67-56-1	4000	4000000	STD
Methyl ethyl ketone (2-butanone; MEK)	78-93-3	4000	4000000	STD
Methyl isobutyl ketone (MIBK)	108-10-1	100	100000	STD
1-Methylnaphthalene	90-12-0	1	1000	STD
2-Methylnaphthalene	91-57-6	30	12500	SOL
2-Methylphenol	95-48-7	400	400000	STD
Methyl tert-butyl ether (MTBE)	1634-04-4	20	20000	STD
Methylene chloride	75-09-2	5	5000	STD
Naphthalene	91-20-3	6	6000	STD
Pentachlorophenol	87-86-5	0.3	300	STD
Phenanthrene	85-01-8	200	410	SOL
Phenol	108-95-2	30	30000	STD
n-Propylbenzene	103-65-1	70	30000	SOL

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Pyrene	129-00-0	200	200	GWQS
Silver	7440-22-4	20	20000	STD
Styrene (ethenylbenzene)	100-42-5	70	70000	STD
1,1,1,2-Tetrachloroethane	630-20-6	1	1000	STD
1,1,2,2-Tetrachloroethane	79-34-5	0.2	200	STD
Tetrachloroethylene (perchloroethylene; PCE)	127-18-4	0.7	700	STD
Toluene	108-88-3	600	260000	SOL
1,2,4-Trichlorobenzene	120-82-1	70	70000	STD
1,1,1-Trichloroethane (methyl chloroform)	71-55-6	200	200000	STD
1,1,2-Trichloroethane	79-00-5	0.6	600	STD
Trichloroethylene (TCE)	79-01-6	3	3000	STD
Trichlorofluoromethane	75-69-4	2000	2000000	STD
1,2,4-Trimethylbenzene	95-63-6	400	28500	SOL
1,3,5-Trimethylbenzene	108-67-8	400	25000	SOL
2,4,6-Trichlorophenol	88-06-2	4	4000	STD
Vinyl acetate	108-05-4	88	88000	STD
Vinyl chloride	75-01-4	0.03	30	STD
Xylenes (o-, m-, and p-; mixed)	1330-20-7	500	85500	SOL

Rev.
4/16/2012

SOL – 50% of the solubility at 25 degrees Celsius
DWSTD – 1000 x federal drinking water standard (40 CFR 141)
STD – 1000 x North Carolina groundwater quality standard (15A NCAC 2L .0202)
GWQS – 50% Solubility is less than GWQS
* includes interim Groundwater Quality
Standards