

US EPA ARCHIVE DOCUMENT

Table PG2. Chemical-specific Waste Concentrations for Aerated Tanks (mg/l)
 Human Receptors - 500 meters; Ecological Receptors - 2000 meters

Chemical Name	CASRN	Protection Group 1			Protection Group 2			Protection Group 3			Protection Group 4		
		HH	Eco	Lowest	HH	Eco	Lowest	HH	Eco	Lowest	HH	Eco	Lowest
Acetonitrile	75-05-8	3000	note 1	3000	10000	note 1	10000	10000	note 1	10000	10000	note 1	10000
Acrylonitrile	107-13-1	0.8	note 1	0.8	20	note 1	20	60	note 1	60	100	note 1	100
Aniline	62-53-3	400	1000	400	1000	1000	1000	1000	1000	1000	1000	1000	1000
Arsenic	7440-38-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	71-43-2	10	80	10	40	100	40	100	100	100	100	100	100
Benzo(a)pyrene	50-32-8	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Beryllium	7440-41-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis-(2-ethylhexyl) phthalate	117-81-7	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cadmium	7440-43-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	75-15-0	100	40	40	100	80	80	100	80	80	100	100	100
Chlorobenzene	108-90-7	20	100	20	100	100	100	100	100	100	100	100	100
Chloroform	67-66-3	3	60	3	8	200	8	500	200	200	600	1000	600
Dibenz[a,h]anthracene	53-70-3	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Dichlorophenoxyacetic acid, 2,4-	94-75-7	100	note 1	100	100	note 1	100	100	note 1	100	100	note 1	100
Divalent Mercury	7439-97-6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ethylene dibromide	106-93-4	0.02	note 1	0.02	0.1	note 1	0.1	0.5	note 1	0.5	0.6	note 1	0.6
Lead	7439-92-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl ethyl ketone	78-93-3	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
Methyl methacrylate	80-62-6	1000	note 1	1000	1000	note 1	1000	1000	note 1	1000	1000	note 1	1000
Methylene chloride	75-09-2	10	1000	10	200	1000	200	800	1000	800	1000	1000	1000
Nickel [+2]	7440-02-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	20	100	20	100	100	100	100	100	100	100	100	100
Pentachlorophenol	87-86-5	1	1	1	1	1	1	1	1	1	1	1	1
Phenol	108-95-2	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
Pyridine	110-86-1	10	10	10	10	10	10	10	10	10	10	10	10
Silver	7440-22-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Tetrachlorodibenzo-p-dioxin, 2,3,7,8-	1746-01-6	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
Tetrachloroethylene	127-18-4	2	100	2	6	100	6	90	100	90	100	100	100
Thallium [+1]	7446-18-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thiram	137-26-8	10	10	10	10	10	10	10	10	10	10	10	10
Toluene	108-88-3	200	80	80	1000	200	200	1000	200	200	1000	1000	1000
Trichloroethane, 1,1,1-	71-55-6	20	200	20	800	400	400	800	400	400	1000	1000	1000
Trichloroethylene	79-01-6	20	5	5	50	20	20	100	20	20	100	40	40
Vinyl chloride	75-01-4	0.2	0.7	0.2	0.4	7	0.4	10	7	7	20	30	20
Zinc	7440-66-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

- note 1: Ecological impacts were not evaluated due to the lack of chronic ecological toxicity values.
- note 2: Human impacts were not evaluated due to the lack of human health toxicity values.
- note 3: The values in the highlighted cells are the same as the highest waste concentration evaluated.
- note 4: The lowest concentration run does not meet the protection criteria for this scenario.
- NA: Not Applicable