

Table I
Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Acenaphthene	83-32-9	20 Minimum Criteria Organoleptic	3 Toxicity Criteria	3 Toxicity Criteria	200	-Liver
Acenaphthylene	208-96-8	210 Minimum Criteria Systemic Toxicant	**	**	2100	-Liver
Acephate	30560-19-1	4 Minimum Criteria Carcinogen	190 Toxicity Criteria	190 Toxicity Criteria	40	-Carcinogen -Neurological
Acetone	67-64-1	6300 Minimum Criteria Systemic Toxicant	1700 Toxicity Criteria	1700 Toxicity Criteria	63000	-Kidney -Liver -Neurological
Acetonitrile	75-05-8	42 Minimum Criteria Systemic Toxicant	20000 Toxicity Criteria	20000 Toxicity Criteria	420	-Mortality
Acetophenone	98-86-2	700 Minimum Criteria Systemic Toxicant	7800 Toxicity Criteria	7800 Toxicity Criteria	7000	-None Specified
Acifluorfen, sodium [or Blazer]	62476-59-9	1 Minimum Criteria Carcinogen	190 Toxicity Criteria	190 Toxicity Criteria	10	-Kidney
Acrolein	107-02-8	3.5 Minimum Criteria Systemic Toxicant	0.4 Toxicity Criteria	0.4 Toxicity Criteria	35	-Nasal
Acrylamide	79-06-1	0.008 Minimum Criteria Carcinogen	0.3 Human Health	0.3 Human Health	0.08	-Carcinogen -Neurological
Acrylic acid	79-10-7	3500 Minimum Criteria Systemic Toxicant	NA	NA	35000	-Developmental
Acrylonitrile	107-13-1	0.06 Minimum Criteria Carcinogen	0.2 Human Health	0.2 Human Health	0.6	-Carcinogen -Nasal -Reproductive
Alachlor	15972-60-8	* Primary Standard	0.5 Human Health	0.5 Human Health	***	-Blood -Carcinogen
Aldicarb [or Temik]	116-06-3	7 Minimum Criteria Systemic Toxicant	0.9 Toxicity Criteria	0.9 Toxicity Criteria	70	-Neurological
Aldicarb sulfone	1646-88-4	7 Minimum Criteria Systemic Toxicant	46 Toxicity Criteria	46 Toxicity Criteria	70	-Neurological

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Aldicarb sulfoxide	1646-87-3	7 Minimum Criteria Systemic Toxicant	4.2 Toxicity Criteria	4.2 Toxicity Criteria	70	-Neurological
Aldrin	309-00-2	0.002 Minimum Criteria Carcinogen	**	**	0.02	-Carcinogen -Liver
Ally [or Metsulfuron, methyl]	74223-64-6	1800 Minimum Criteria Systemic Toxicant	NA	NA	18000	-Body Weight
Allyl alcohol	107-18-6	35 Minimum Criteria Systemic Toxicant	5 Toxicity Criteria	5 Toxicity Criteria	350	-Kidney -Liver
Allyl chloride	107-05-1	35# Minimum Criteria Systemic Toxicant	NA	NA	350	-Neurological
Aluminum	7429-90-5	* Secondary Standard	13 Toxicity Criteria	**	***	-Body Weight
Aluminum phosphide	20859-73-8	2.8 Minimum Criteria Systemic Toxicant	6.5 Toxicity Criteria	6.5 Toxicity Criteria	28	-Body Weight
Ametryn	834-12-8	63 Minimum Criteria Systemic Toxicant	6.2 Toxicity Criteria	6.2 Toxicity Criteria	630	-Liver
Ammonia (a)	7664-41-7	2800 Minimum Criteria Systemic Toxicant	**	NA	28000	-Respiratory
Ammonium sulfamate	7773-06-0	1400 Minimum Criteria Systemic Toxicant	10000 Toxicity Criteria	10000 Toxicity Criteria	14000	-Body Weight
Anilazine [or Dyrene]	101-05-3	2.8 Minimum Criteria Systemic Toxicant	NA	NA	28	-None Specified
Aniline	62-53-3	6.1 Minimum Criteria Carcinogen	4 Toxicity Criteria	4 Toxicity Criteria	61	-Blood -Carcinogen -Spleen
Anthracene	120-12-7	2100 Minimum Criteria Systemic Toxicant	0.3 Toxicity Criteria	0.3 Toxicity Criteria	21000	-None Specified
Antimony	7440-36-0	* Primary Standard	**	**	***	-Blood

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Aramite	140-57-8	1.4 Minimum Criteria Carcinogen	3 Toxicity Criteria	3 Toxicity Criteria	14	-Carcinogen
Aroclor mixture [see PCBs]						
Arsenic	NOCAS	* Primary Standard	**	**	***	-Carcinogen -Cardiovascular -Skin
Atrazine	1912-24-9	* Primary Standard	1.9 Human Health	1.9 Human Health	***	-Carcinogen -Cardiovascular
Azinphos, methyl [see Guthion]						
Azobenzene	103-33-3	0.3 Minimum Criteria Carcinogen	3.6 Human Health	3.6 Human Health	3	-Carcinogen
Barium (soluble salts)	7440-39-3	* Primary Standard	NA	NA	***	-Cardiovascular
Baygon [or Propoxur]	114-26-1	28 Minimum Criteria Systemic Toxicant	0.4 Toxicity Criteria	0.4 Toxicity Criteria	280	-Blood -Neurological
Bayleton	43121-43-3	210 Minimum Criteria Systemic Toxicant	500 Toxicity Criteria	500 Toxicity Criteria	2100	-Blood
Benomyl	17804-35-2	35# Minimum Criteria Systemic Toxicant	0.3 Toxicity Criteria	0.3 Toxicity Criteria	350	-Developmental
Bensulide	741-58-2	46 Minimum Criteria Systemic Toxicant	NA	NA	460	-None Specified
Bentazon	25057-89-0	210 Minimum Criteria Systemic Toxicant	NA	NA	2100	-Blood
Benzaldehyde	100-52-7	700 Minimum Criteria Systemic Toxicant	54 Toxicity Criteria	54 Toxicity Criteria	7000	-Gastrointestinal -Kidney
Benzene	71-43-2	* Primary Standard	**	**	***	-Blood -Carcinogen

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Benzenethiol	108-98-5	0.07 Minimum Criteria Systemic Toxicant	NA	NA	0.7	-Liver
Benzidine	92-87-5	0.0002 Minimum Criteria Carcinogen	0.0002 Human Health	0.0002 Human Health	0.002	-Carcinogen -Liver -Neurological
Benzo(a)anthracene	56-55-3	0.05 Minimum Criteria Carcinogen	**	**	0.5	-Carcinogen
Benzo(a)pyrene	50-32-8	* Primary Standard	**	**	***	-Carcinogen
Benzo(b)fluoranthene	205-99-2	0.05 Minimum Criteria Carcinogen	**	**	0.5	-Carcinogen
Benzo(g,h,i)perylene	191-24-2	210 Minimum Criteria Systemic Toxicant	**	**	2100	-Neurological
Benzo(k)fluoranthene	207-08-9	0.5 Minimum Criteria Carcinogen	**	**	5	-Carcinogen
Benzoic acid	65-85-0	28000 Minimum Criteria Systemic Toxicant	9000 Toxicity Criteria	9000 Toxicity Criteria	280000	-None Specified
Benzotrichloride	98-07-7	0.003 Minimum Criteria Carcinogen	0.002 Human Health	0.002 Human Health	0.03	-Carcinogen
Benzyl alcohol	100-51-6	2100 Minimum Criteria Systemic Toxicant	500 Toxicity Criteria	500 Toxicity Criteria	21000	-Gastrointestinal
Benzyl chloride	100-44-7	0.2 Minimum Criteria Carcinogen	2 Human Health	2 Human Health	2	-Carcinogen
Beryllium	7440-41-7	* Primary Standard	**	**	***	-Carcinogen -Gastrointestinal -Respiratory
Beta radiation	NOCAS	* Primary Standard	NA	NA	***	-Carcinogen
BHC, alpha- [see Hexachlorocyclohexane, alpha-] (b)						

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BHC, beta- [see Hexachlorocyclohexane, beta-] (b)						
BHC, delta- [see Hexachlorocyclohexane, delta-] (b)						
BHC, gamma- [see Hexachlorocyclohexane, gamma-] (b)						
BHC, technical [see Hexachlorocyclohexane, technical] (b)						
Bidrin [or Dicrotophos]	141-66-2	0.7 Minimum Criteria Systemic Toxicant	22 Toxicity Criteria	22 Toxicity Criteria	7	-Developmental
Bioallethrin	28057-48-9	35 Minimum Criteria Systemic Toxicant	NA	NA	350	-Liver
Biphenyl, 1,1- [or Diphenyl]	92-52-4	0.5 Minimum Criteria Organoleptic	18 Toxicity Criteria	18 Toxicity Criteria	5	-Kidney
Bis(2-chloro-1-methylethyl)ether [see Bis(2-chloroisopropyl)ether]						
Bis(2-chloroethyl)ether	111-44-4	0.03 Minimum Criteria Carcinogen	0.5 Human Health	0.5 Human Health	0.3	-Carcinogen
Bis(2-chloroisopropyl)ether [or Bis(2-chloro-1-methylethyl)ether]	39638-32-9	0.5 Minimum Criteria Carcinogen	23 Human Health	23 Human Health	5	-Blood -Carcinogen
Bis(2-ethylhexyl)adipate	103-23-1	* Primary Standard	33 Toxicity Criteria	33 Toxicity Criteria	***	-Body Weight -Carcinogen
Bis(2-ethylhexyl)phthalate [or DEHP]	117-81-7	* Primary Standard	2.2 Human Health	2.2 Human Health	***	-Carcinogen -Liver
Bisphenol A	80-05-7	350 Minimum Criteria Systemic Toxicant	55 Toxicity Criteria	55 Toxicity Criteria	3500	-Body Weight
Blazer [see Acifluorfen, sodium]						

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Boron	7440-42-8	1400 Minimum Criteria Systemic Toxicant	NA	NA	14000	-Reproductive -Respiratory
Bravo [see Chlorothalonil]						
Bromacil	314-40-9	70# Minimum Criteria Systemic Toxicant	97 Toxicity Criteria	97 Toxicity Criteria	700	-Body Weight
Bromate	15541-45-4	0.05 Minimum Criteria Carcinogen	NA	**	0.5	-Carcinogen -Kidney
Bromochloromethane	74-97-5	91 Minimum Criteria Systemic Toxicant	NA	NA	910	-None Specified
Bromodichloromethane	75-27-4	0.6 Minimum Criteria Carcinogen	**	**	6	-Carcinogen -Kidney
Bromoform	75-25-2	4.4 Minimum Criteria Carcinogen	**	**	44	-Carcinogen -Liver
Bromomethane [or Methyl bromide]	74-83-9	9.8 Minimum Criteria Systemic Toxicant	35 Toxicity Criteria	35 Toxicity Criteria	98	-Gastrointestinal -Respiratory
Bromoxynil	1689-84-5	140 Minimum Criteria Systemic Toxicant	NA	NA	1400	-None Specified
Bromoxynil octanoate	1689-99-2	140 Minimum Criteria Systemic Toxicant	NA	NA	1400	-Neurological
Butane	106-97-8	9100 Minimum Criteria Systemic Toxicant	NA	NA	91000	-Neurological -Respiratory
Butanol, n-	71-36-3	700 Minimum Criteria Systemic Toxicant	25000 Toxicity Criteria	25000 Toxicity Criteria	7000	-Neurological
Butanol, tert- [see Butyl alcohol, tert-]						
Butanone, 2- [see Methyl ethyl ketone]						

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Butyl acetate, n-	123-86-4	43 Minimum Criteria Organoleptic	1000 Toxicity Criteria	1000 Toxicity Criteria	430	-None Specified
Butyl alcohol, tert- [or Butanol, tert-]	75-65-0	1400 Minimum Criteria Systemic Toxicant	NA	NA	14000	-Kidney -Neurological
Butyl benzyl phthalate	85-68-7	140# Minimum Criteria Systemic Toxicant	26 Toxicity Criteria	26 Toxicity Criteria	1400	-Liver
Butylate	2008-41-5	350 Minimum Criteria Systemic Toxicant	11 Toxicity Criteria	11 Toxicity Criteria	3500	-Liver
Butylphthalyl butylglycolate	85-70-1	7000 Minimum Criteria Systemic Toxicant	NA	NA	70000	-None Specified
Cadmium	7440-43-9	* Primary Standard	**	**	***	-Carcinogen -Kidney
Calcium cyanide	592-01-8	280 Minimum Criteria Systemic Toxicant	NA	NA	2800	-Neurological -Thyroid
Captafol	2425-06-1	4.1 Minimum Criteria Carcinogen	0.9 Toxicity Criteria	0.9 Toxicity Criteria	41	-Carcinogen -Kidney
Captan	133-06-2	10 Minimum Criteria Carcinogen	1.9 Toxicity Criteria	1.9 Toxicity Criteria	100	-Body Weight -Carcinogen
Carbaryl [or Sevin]	63-25-2	700 Minimum Criteria Systemic Toxicant	0.06 Toxicity Criteria	0.06 Toxicity Criteria	7000	-Kidney -Liver
Carbazole	86-74-8	1.8 Minimum Criteria Carcinogen	47 Toxicity Criteria	47 Toxicity Criteria	18	-Carcinogen
Carbofuran	1563-66-2	* Primary Standard	0.1 Toxicity Criteria	0.1 Toxicity Criteria	***	-Neurological -Reproductive
Carbon disulfide	75-15-0	700 Minimum Criteria Systemic Toxicant	110 Toxicity Criteria	110 Toxicity Criteria	7000	-Developmental -Neurological
Carbon tetrachloride	56-23-5	* Primary Standard	**	**	***	-Carcinogen -Liver

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Carbophenothion [or Trithion]	786-19-6	0.9 Minimum Criteria Systemic Toxicant	0.1 Toxicity Criteria	0.1 Toxicity Criteria	9	-Neurological
Carboxin	5234-68-4	700 Minimum Criteria Systemic Toxicant	60 Toxicity Criteria	60 Toxicity Criteria	7000	-Body Weight
CFC 113 [see Trichloro-1,2,2-trifluoroethane, 1,1,2-]						-Adrenals
Chloral hydrate	302-17-0	70# Minimum Criteria Systemic Toxicant	NA	NA	700	-Gastrointestinal -Neurological
Chloramben	133-90-4	110 Minimum Criteria Systemic Toxicant	NA	NA	1100	-Liver
Chlordane (total)	(g)	* Primary Standard	**	**	***	-Carcinogen -Liver
Chloride	16887-00-6	* Secondary Standard	NA	**	***	-None Specified
Chlorine	7782-50-5	700 Minimum Criteria Systemic Toxicant	**	**	7000	-Respiratory
Chlorine cyanide [or Cyanogen chloride]	506-77-4	350 Minimum Criteria Systemic Toxicant	1.4 Toxicity Criteria	1.4 Toxicity Criteria	3500	-Neurological -Thyroid
Chlorite (sodium salt) [or Sodium chlorite]	7758-19-2	210 Minimum Criteria Systemic Toxicant	29 Toxicity Criteria	29 Toxicity Criteria	2100	-Developmental -Neurological
Chloro-1,3-butadiene [or Chloroprene]	126-99-8	140 Minimum Criteria Systemic Toxicant	NA	NA	1400	-Hair Loss -Nasal
Chloro-3-methylphenol, 4- [see Chloro-m-cresol, p-]						
Chloroacetic acid	79-11-8	14 Minimum Criteria Systemic Toxicant	2500 Human Health	2500 Human Health	140	-Cardiovascular
Chloroaniline, p-	106-47-8	28 Minimum Criteria Systemic Toxicant	2.5 Toxicity Criteria	2.5 Toxicity Criteria	280	-Spleen

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Chlorobenzene	108-90-7	* Primary Standard	17 Toxicity Criteria	17 Toxicity Criteria	***	-Liver
Chlorobenzilate	510-15-6	0.1 Minimum Criteria Carcinogen	0.02 Human Health	0.02 Human Health	1	-Body Weight -Carcinogen
Chloroethane [see Ethyl chloride]						
Chloroform	67-66-3	70 Minimum Criteria Systemic Toxicant	**	**	700	-Carcinogen -Liver
Chloro-m-cresol, p- [or Chloro-3-methylphenol, 4-]	59-50-7	63 Minimum Criteria Systemic Toxicant	100 Toxicity Criteria	100 Toxicity Criteria	630	-Body Weight
Chloromethane [see Methyl chloride]						
Chloronaphthalene, beta-	91-58-7	560 Minimum Criteria Systemic Toxicant	1600 Human Health	1600 Human Health	5600	-Liver -Respiratory
Chloronitrobenzene, p-	100-00-5	1.9 Minimum Criteria Carcinogen	110 Toxicity Criteria	110 Toxicity Criteria	19	-Carcinogen
Chlorophenol, 2-	95-57-8	35 Minimum Criteria Systemic Toxicant	130 Toxicity Criteria	130 Toxicity Criteria	350	-Reproductive
Chlorophenol, 3-	108-43-0	0.1 Minimum Criteria Organoleptic	170 Toxicity Criteria	170 Toxicity Criteria	1	-Reproductive
Chlorophenol, 4-	106-48-9	0.1 Minimum Criteria Organoleptic	180 Toxicity Criteria	180 Toxicity Criteria	1	-Reproductive
Chloropicrin	76-06-2	7.3 Minimum Criteria Organoleptic	NA	NA	73	-None Specified
Chloroprene [see Chloro-1,3-butadiene]						
Chlorothalonil [or Bravo]	1897-45-6	3.2 Minimum Criteria Carcinogen	0.8 Toxicity Criteria	0.8 Toxicity Criteria	32	-Carcinogen -Kidney

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Chlorotoluene, o-	95-49-8	140 Minimum Criteria Systemic Toxicant	390 Toxicity Criteria	390 Toxicity Criteria	1400	-Body Weight
Chlorotoluene, p-	106-43-4	140 Minimum Criteria Systemic Toxicant	NA	NA	1400	-None Specified
Chlorpropham	101-21-3	1400 Minimum Criteria Systemic Toxicant	190 Toxicity Criteria	190 Toxicity Criteria	14000	-Bone Marrow -Kidney -Liver -Spleen
Chlorpyrifos	2921-88-2	21 Minimum Criteria Systemic Toxicant	0.002 Toxicity Criteria	0.002 Toxicity Criteria	210	-Neurological
Chlorpyrifos, methyl	5598-13-0	70 Minimum Criteria Systemic Toxicant	0.04 Toxicity Criteria	0.04 Toxicity Criteria	700	-Reproductive
Chlorsulfuron	64902-72-3	350 Minimum Criteria Systemic Toxicant	16 Toxicity Criteria	16 Toxicity Criteria	3500	-Body Weight
Chromium (hexavalent)	18540-29-9	*	**	**	***	-Carcinogen -Respiratory
Chromium (total)	NOCAS	* Primary Standard	11 (f)	50 (f)	***	-Carcinogen
Chromium (trivalent)	16065-83-1	*	**	520 Toxicity Criteria (e)	***	-None Specified
Chrysene	218-01-9	4.8 Minimum Criteria Carcinogen	**	**	48	-Carcinogen
Cobalt	7440-48-4	140 Minimum Criteria Systemic Toxicant	NA	NA	1400	-Cardiovascular -Immunological - Neurological -Reproductive
Copper	7440-50-8	* Secondary Standard	**	**	***	-Gastrointestinal
Copper cyanide	544-92-3	35 Minimum Criteria Systemic Toxicant	NA	NA	350	-Kidney
Coumaphos	56-72-4	1.8 Minimum Criteria Systemic Toxicant	0.004 Toxicity Criteria	0.004 Toxicity Criteria	18	-Neurological

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Cresol, m- [see Methylphenol, 3-]						
Cresol, o- [see Methylphenol, 2-]						
Cresol, p- [see Methylphenol, 4-]						
Crotonaldehyde	123-73-9	0.02 Minimum Criteria Carcinogen	NA	NA	0.2	-Carcinogen
Cumene [or Isopropyl benzene]	98-82-8	0.8 Minimum Criteria Organoleptic	260 Toxicity Criteria	260 Toxicity Criteria	8	-Adrenals -Kidney
Cyanazine	21725-46-2	0.04 Minimum Criteria Carcinogen	5.5 Toxicity Criteria	5.5 Toxicity Criteria	0.4	-Carcinogen
Cyanide, free	57-12-5	* Primary Standard	**	**	***	-Neurological -Thyroid
Cyanogen	460-19-5	280 Minimum Criteria Systemic Toxicant	NA	NA	2800	-Neurological -Thyroid
Cyanogen chloride [see Chlorine cyanide]						
Cycloate	1134-23-2	35 Minimum Criteria Systemic Toxicant	130 Toxicity Criteria	130 Toxicity Criteria	350	-Neurological
Cyclohexanone	108-94-1	35000 Minimum Criteria Systemic Toxicant	26000 Toxicity Criteria	26000 Toxicity Criteria	350000	
Cyclohexylamine	108-91-8	1400 Minimum Criteria Systemic Toxicant	4000 Toxicity Criteria	4000 Toxicity Criteria	14000	-Reproductive
Cyhalothrin [or Karate]	68085-85-8	35 Minimum Criteria Systemic Toxicant	18 Human Health	18 Human Health	350	-Developmental
Cypermethrin	52315-07-8	7# Minimum Criteria Systemic Toxicant	0.0005 Toxicity Criteria	0.0005 Toxicity Criteria	70	-Gastrointestinal

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Dacthal [or DCPA]	1861-32-1	70 Minimum Criteria Systemic Toxicant	310 Toxicity Criteria	310 Toxicity Criteria	700	-Eye -Kidney -Liver -Respiratory -Thyroid
Dalapon	75-99-0	* Primary Standard	5000 Toxicity Criteria	5000 Toxicity Criteria	***	-Kidney
DB, 2,4- [see Dichlorophenoxy butyric acid, 2,4-]						
DBCP, 1,2- [see Dibromo-3-chloropropane, 1,2-]						
DCPA [see Dacthal]						
DDD, 4,4'- [see Dichlorodiphenyldichloroethane, p,p']						
DDE, 4,4'- [see Dichlorodiphenyldichloroethylene, p,p']						
DDT, 4,4'- [see Dichlorodiphenyltrichloroethane, p,p']						
Decabromodiphenyl ether	1163-19-5	7# Minimum Criteria Systemic Toxicant	NA	NA	70	-None Specified
DEET	134-62-3	6300 Minimum Criteria Systemic Toxicant	NA	NA	63000	-Body Weight
DEHP [see Bis(2-ethylhexyl)phthalate]						
Demeton	8065-48-3	0.3 Minimum Criteria Systemic Toxicant	**	**	3	-Eye -Neurological
Diallate	2303-16-4	0.6 Minimum Criteria Carcinogen	NA	NA	6	-Carcinogen -None Specified
Diazinon	333-41-5	6.3 Minimum Criteria Systemic Toxicant	0.002 Toxicity Criteria	0.002 Toxicity Criteria	63	-Neurological

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Dibenz(a,h)anthracene	53-70-3	0.005 Minimum Criteria Carcinogen	**	**	0.05	-Carcinogen
Dibenzofuran	132-64-9	28 Minimum Criteria Systemic Toxicant	67 Toxicity Criteria	67 Toxicity Criteria	280	-None Specified
Dibromo-3-chloropropane, 1,2- [or DBCP, 1,2-]	96-12-8	* Primary Standard	NA	NA	***	-Carcinogen -Reproductive
Dibromobenzene, 1,4-	106-37-6	70 Minimum Criteria Systemic Toxicant	240 Human Health	240 Human Health	700	-Liver
Dibromochloromethane	124-48-1	0.4 Minimum Criteria Carcinogen	**	**	4	-Carcinogen -Liver
Dibromoethane, 1,2- [or EDB]	106-93-4	* Primary Standard	13 Toxicity Criteria	13 Toxicity Criteria	***	-Carcinogen -Reproductive
Dibutyl phthalate	84-74-2	700 Minimum Criteria Systemic Toxicant	23 Toxicity Criteria	23 Toxicity Criteria	7000	-Mortality
Dicamba	1918-00-9	210 Minimum Criteria Systemic Toxicant	200 Toxicity Criteria	200 Toxicity Criteria	2100	-Developmental
Dichloroacetic acid	79-43-6	0.7 Minimum Criteria Carcinogen	1200 Toxicity Criteria	1200 Toxicity Criteria	7	-Carcinogen -Liver -Neurological - Reproductive
Dichloroacetonitrile	3018-12-0	5.6# Minimum Criteria Systemic Toxicant	NA	NA	56	-None Specified
Dichlorobenzene, 1,2-	95-50-1	* Primary Standard	99 Toxicity Criteria	99 Toxicity Criteria	***	-Body Weight
Dichlorobenzene, 1,3-	541-73-1	210 Minimum Criteria Systemic Toxicant	85 Toxicity Criteria	85 Toxicity Criteria	2100	-None Specified
Dichlorobenzene, 1,4-	106-46-7	* Primary Standard	3 Human Health	3 Human Health	***	-Carcinogen -Liver
Dichlorobenzidine, 3,3'-	91-94-1	0.08 Minimum Criteria Carcinogen	0.03 Human Health	0.03 Human Health	0.8	-Carcinogen

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		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Dichlorobenzophenone, 4,4'-	90-98-2	210 Minimum Criteria Systemic Toxicant	1600 Human Health	1600 Human Health	2100	-None Specified
Dichlorodifluoromethane	75-71-8	1400 Minimum Criteria Systemic Toxicant	NA	NA	14000	-Liver
Dichlorodiphenyldichloroethane, p,p'- [or DDD, 4,4'-]	72-54-8	0.1 Minimum Criteria Carcinogen	0.0003 Human Health	0.0003 Human Health	1	-Carcinogen
Dichlorodiphenyldichloroethylene, p,p'- [or DDE, 4,4'-]	72-55-9	0.1 Minimum Criteria Carcinogen	0.0002 Human Health	0.0002 Human Health	1	-Carcinogen
Dichlorodiphenyltrichloroethane, p,p'- [or DDT, 4,4'-]	50-29-3	0.1 Minimum Criteria Carcinogen	**	**	1	-Carcinogen -Liver
Dichloroethane, 1,1-	75-34-3	70# Minimum Criteria Systemic Toxicant	NA	NA	700	-Kidney
Dichloroethane, 1,2- [or EDC]	107-06-2	* Primary Standard	37 Human Health	37 Human Health	***	-Carcinogen -None Specified
Dichloroethene, 1,1-	75-35-4	* Primary Standard	**	**	***	-Liver
Dichloroethene, 1,2- (mixture)	540-59-0	63 Minimum Criteria Systemic Toxicant	7000 Toxicity Criteria	7000 Toxicity Criteria	630	-Blood -Liver
Dichloroethene, cis-1,2-	156-59-2	* Primary Standard	NA	NA	***	-Blood
Dichloroethene, trans-1,2-	156-60-5	* Primary Standard	11000 Toxicity Criteria	11000 Toxicity Criteria	***	-Blood -Liver
Dichlorophenol, 2,3-	576-24-9	0.04 Minimum Criteria Organoleptic	56 Toxicity Criteria	56 Toxicity Criteria	0.4	-Immunological
Dichlorophenol, 2,4-	120-83-2	0.3 Minimum Criteria Organoleptic	13 Toxicity Criteria	13 Toxicity Criteria	3	-Immunological
Dichlorophenol, 2,5-	583-78-8	0.5 Minimum Criteria Organoleptic	90 Toxicity Criteria	90 Toxicity Criteria	5	-Immunological

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Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Dichlorophenol, 2,6-	87-65-0	0.2 Minimum Criteria Organoleptic	73 Toxicity Criteria	73 Toxicity Criteria	2	-Immunological
Dichlorophenol, 3,4-	95-77-2	0.3 Minimum Criteria Organoleptic	61 Toxicity Criteria	61 Toxicity Criteria	3	-Immunological
Dichlorophenoxy acetic acid, 2,4-	94-75-7	* Primary Standard	80 Toxicity Criteria	80 Toxicity Criteria	***	-Blood -Kidney -Liver
Dichlorophenoxy butyric acid, 2,4- [or DB, 2,4-]	94-82-6	56 Minimum Criteria Systemic Toxicant	NA	NA	560	-Blood -Cardiovascular
Dichloropropane, 1,2-	78-87-5	* Primary Standard	14 Human Health	14 Human Health	***	-Carcinogen -Nasal
Dichloropropene, 1,3-	542-75-6	0.4 Minimum Criteria Carcinogen	12 Toxicity Criteria	12 Toxicity Criteria	4	-Carcinogen -Gastrointestinal -Nasal
Dichlorprop	120-36-5	35 Minimum Criteria Systemic Toxicant	42 Toxicity Criteria	42 Toxicity Criteria	350	-None Specified
Dichlorvos	62-73-7	0.1 Minimum Criteria Carcinogen	0.005 Toxicity Criteria	0.005 Toxicity Criteria	1	-Carcinogen -Neurological
Dicofol [or Kelthane]	115-32-2	0.08 Minimum Criteria Carcinogen	0.006 Human Health	0.006 Human Health	0.8	-Adrenals -Carcinogen
Dicrotophos [see Bidrin]						
Dieldrin	60-57-1	0.002 Minimum Criteria Carcinogen	**	**	0.02	-Carcinogen -Liver
Diethyl phthalate	84-66-2	5600 Minimum Criteria Systemic Toxicant	380 Toxicity Criteria	380 Toxicity Criteria	56000	-Body Weight
Diethylene glycol, monoethyl ether	111-90-0	14000 Minimum Criteria Systemic Toxicant	170000 Toxicity Criteria	170000 Toxicity Criteria	140000	-Kidney
Diethylstilbestrol	56-53-1	0.000007 Minimum Criteria Carcinogen	NA	NA	0.00007	-Carcinogen

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Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Diisopropyl methylphosphonate	1445-75-6	560 Minimum Criteria Systemic Toxicant	13000 Toxicity Criteria	13000 Toxicity Criteria	5600	-None Specified
Dimethoate	60-51-5	1.4 Minimum Criteria Systemic Toxicant	0.1 Toxicity Criteria	0.1 Toxicity Criteria	14	-Neurological
Dimethoxybenzidine, 3,3'-	119-90-4	2.5 Minimum Criteria Carcinogen	NA	NA	25	-Carcinogen
Dimethrin	70-38-2	2100 Minimum Criteria Systemic Toxicant	1.1 Toxicity Criteria	1.1 Toxicity Criteria	21000	-Liver
Dimethylaniline, 2,4-	95-68-1	0.05 Minimum Criteria Carcinogen	1700 Toxicity Criteria	1700 Toxicity Criteria	0.5	-Blood -Carcinogen -Spleen
Dimethylaniline, N,N-	121-69-7	14 Minimum Criteria Systemic Toxicant	1700 Toxicity Criteria	1700 Toxicity Criteria	140	-Spleen
Dimethylbenzidine, 3,3'-	119-93-7	0.004 Minimum Criteria Carcinogen	NA	NA	0.04	-Carcinogen
Dimethylformamide, N,N-	68-12-2	700 Minimum Criteria Systemic Toxicant	50000 Toxicity Criteria	50000 Toxicity Criteria	7000	-Gastrointestinal -Liver
Dimethylphenol, 2,4-	105-67-9	140 Minimum Criteria Systemic Toxicant	160 Toxicity Criteria	160 Toxicity Criteria	1400	-Blood -Neurological
Dimethylphenol, 2,6-	576-26-1	4.2 Minimum Criteria Systemic Toxicant	560 Toxicity Criteria	560 Toxicity Criteria	42	-Kidney -Liver -Spleen
Dimethylphenol, 3,4-	95-65-8	7 Minimum Criteria Systemic Toxicant	380 Human Health	380 Human Health	70	-Kidney -Liver -Spleen
Dimethylphthalate	131-11-3	70000 Minimum Criteria Systemic Toxicant	1400 Toxicity Criteria	1400 Toxicity Criteria	700000	-Kidney
Dinitrobenzene, 1,2- (o)	528-29-0	2.8 Minimum Criteria Systemic Toxicant	30 Toxicity Criteria	30 Toxicity Criteria	28	-Spleen
Dinitrobenzene, 1,3- (m)	99-65-0	0.7 Minimum Criteria Systemic Toxicant	72 Toxicity Criteria	72 Toxicity Criteria	7	-Spleen

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Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Dinitrobenzene, 1,4- (p)	100-25-4	2.8 Minimum Criteria Systemic Toxicant	30 Toxicity Criteria	30 Toxicity Criteria	28	-Spleen
Dinitro-o-cyclohexylphenol	131-89-5	14 Minimum Criteria Systemic Toxicant	NA	NA	140	-Eye
Dinitrophenol, 2,4-	51-28-5	14 Minimum Criteria Systemic Toxicant	3 Toxicity Criteria	3 Toxicity Criteria	140	-Eye
Dinitrotoluene, 2,4-	121-14-2	0.05 Minimum Criteria Carcinogen	**	**	0.5	-Carcinogen -Liver -Neurological
Dinitrotoluene, 2,6-	606-20-2	0.05 Minimum Criteria Carcinogen	0.7 Human Health	0.7 Human Health	0.5	-Blood -Carcinogen -Kidney -Neurological
Di-n-octylphthalate	117-84-0	140 Minimum Criteria Systemic Toxicant	NA	NA	1400	-Kidney -Liver
Dinoseb	88-85-7	* Primary Standard	5.9 Toxicity Criteria	5.9 Toxicity Criteria	***	-Developmental
Dioxane, 1,4-	123-91-1	3.2 Minimum Criteria Carcinogen	120 Human Health	120 Human Health	32	-Carcinogen
Dioxins, as total 2,3,7,8-TCDD equivalents (c)	1746-01-6	* Primary Standard	0.000000005 Human Health	0.000000005 Human Health	***	-Carcinogen
Diphenamid	957-51-7	210 Minimum Criteria Systemic Toxicant	1600 Toxicity Criteria	1600 Toxicity Criteria	2100	-Liver
Diphenyl [see Biphenyl, 1,1-]						
Diphenylamine, N,N-	122-39-4	180 Minimum Criteria Systemic Toxicant	NA	NA	1800	-Kidney -Liver
Diphenylhydrazine, 1,2-	122-66-7	0.04 Minimum Criteria Carcinogen	0.2 Human Health	0.2 Human Health	0.4	-Carcinogen
Diquat	85-00-7	* Primary Standard	1.5 Toxicity Criteria	1.5 Toxicity Criteria	***	-Eye

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Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Disulfoton	298-04-4	0.3 Minimum Criteria Systemic Toxicant	0.3 Toxicity Criteria	0.3 Toxicity Criteria	3	-Neurological
Diuron	330-54-1	14 Minimum Criteria Systemic Toxicant	8 Toxicity Criteria	8 Toxicity Criteria	140	-Blood
Dyrene [see Anilazine]						
EDB [see Dibromoethane, 1,2-]						
EDC [see Dichloroethane, 1,2-]						
Endosulfan (alpha+beta+sulfate)	115-29-7	42 Minimum Criteria Systemic Toxicant	**	**	420	-Cardiovascular -Kidney
Endothall	145-73-3	* Primary Standard	110 Toxicity Criteria	110 Toxicity Criteria	***	-Gastrointestinal
Endrin	72-20-8	* Primary Standard	**	**	***	-Liver
EPEG [see Ethylphthalyl ethylglycolate]						
Epichlorohydrin	106-89-8	3.5 Minimum Criteria Carcinogen	130 Human Health	130 Human Health	35	-Carcinogen -Kidney -Nasal
EPN [see Ethyl p-nitrophenyl phenylphosphorothioate]						
EPTC [see Ethyl dipropylthiocarbamate, S-]						
Ethanol	64-17-5	10000 Minimum Criteria Organoleptic	NA	NA	100000	-Developmental
Ethion	563-12-2	3.5 Minimum Criteria Systemic Toxicant	0.007 Toxicity Criteria	0.007 Toxicity Criteria	35	-Neurological

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Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Ethoprop	13194-48-4	0.7 Minimum Criteria Systemic Toxicant	0.3 Toxicity Criteria	0.3 Toxicity Criteria	7	-Neurological
Ethoxyethanol acetate, 2-	111-15-9	2100 Minimum Criteria Systemic Toxicant	2000 Toxicity Criteria	2000 Toxicity Criteria	21000	-Developmental
Ethoxyethanol, 2-	110-80-5	2800 Minimum Criteria Systemic Toxicant	NA	NA	28000	-Reproductive
Ethyl acetate	141-78-6	6300 Minimum Criteria Systemic Toxicant	6300 Toxicity Criteria	6300 Toxicity Criteria	63000	-Body Weight
Ethyl acrylate	140-88-5	0.4 Minimum Criteria Organoleptic	130 Toxicity Criteria	130 Toxicity Criteria	4	-Carcinogen
Ethyl chloride [or Chloroethane]	75-00-3	12 Minimum Criteria Carcinogen	NA	NA	120	-Carcinogen -Developmental
Ethyl dipropylthiocarbamate, S- [or EPTC]	759-94-4	180 Minimum Criteria Systemic Toxicant	240 Toxicity Criteria	240 Toxicity Criteria	1800	-Cardiovascular
Ethyl ether	60-29-7	750 Minimum Criteria Organoleptic	130000 Toxicity Criteria	130000 Toxicity Criteria	7500	-Body Weight
Ethyl methacrylate	97-63-2	630 Minimum Criteria Systemic Toxicant	NA	NA	6300	-Kidney
Ethyl p-nitrophenyl phenylphosphorothioate [or EPN]	2104-64-5	0.07 Minimum Criteria Systemic Toxicant	0.02 Toxicity Criteria	0.02 Toxicity Criteria	0.7	-Neurological
Ethylbenzene	100-41-4	* Secondary Standard	610 Toxicity Criteria	610 Toxicity Criteria	***	-Developmental -Kidney -Liver
Ethylene diamine	107-15-3	140 Minimum Criteria Systemic Toxicant	800 Toxicity Criteria	800 Toxicity Criteria	1400	-Blood -Cardiovascular
Ethylene glycol	107-21-1	14000 Minimum Criteria Systemic Toxicant	16000 Toxicity Criteria	16000 Toxicity Criteria	140000	-Kidney
Ethylene oxide	75-21-8	0.03 Minimum Criteria Carcinogen	4200 Toxicity Criteria	4200 Toxicity Criteria	0.3	-Carcinogen

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Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Ethylene thiourea [or ETU]	96-45-7	0.3 Minimum Criteria Carcinogen	1300 Toxicity Criteria	1300 Toxicity Criteria	3	-Carcinogen -Thyroid
Ethylphthalyl ethylglycolate [or EPEG]	84-72-0	21000 Minimum Criteria Systemic Toxicant	NA	NA	210000	-Kidney
ETU [see Ethylene thiourea]						
Famphur	52-85-7	3.5 Minimum Criteria Systemic Toxicant	NA	NA	35	-Blood
Fenamiphos	22224-92-6	1.8 Minimum Criteria Systemic Toxicant	0.2 Toxicity Criteria	0.2 Toxicity Criteria	18	-Neurological
Fensulfothion	115-90-2	1.8 Minimum Criteria Systemic Toxicant	0.5 Toxicity Criteria	0.5 Toxicity Criteria	18	-Neurological
Fenvalerate [see Pydrin]						
Fluometuron	2164-17-2	91 Minimum Criteria Systemic Toxicant	190 Toxicity Criteria	190 Toxicity Criteria	910	-None Specified
Fluoranthene	206-44-0	280 Minimum Criteria Systemic Toxicant	0.3 Toxicity Criteria	0.3 Toxicity Criteria	2800	-Blood -Kidney -Liver
Fluorene	86-73-7	280 Minimum Criteria Systemic Toxicant	30 Toxicity Criteria	30 Toxicity Criteria	2800	-Blood
Fluoride	7782-41-4	* Secondary Standard	**	**	***	-Teeth mottling
Fluoridone	59756-60-4	560 Minimum Criteria Systemic Toxicant	110 Toxicity Criteria	110 Toxicity Criteria	5600	-Kidney -Reproductive
Fonofos	944-22-9	14 Minimum Criteria Systemic Toxicant	0.1 Toxicity Criteria	0.1 Toxicity Criteria	140	-Liver -Neurological
Formaldehyde	50-00-0	600 Minimum Criteria Organoleptic	110 Toxicity Criteria	110 Toxicity Criteria	6000	-Carcinogen -Gastrointestinal

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Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Formic acid	64-18-6	14000 Minimum Criteria Systemic Toxicant	4500 Toxicity Criteria	4500 Toxicity Criteria	140000	-Body Weight
Furan	110-00-9	7 Minimum Criteria Systemic Toxicant	NA	NA	70	-Liver
Furfural	98-01-1	21 Minimum Criteria Systemic Toxicant	650 Toxicity Criteria	650 Toxicity Criteria	210	-Liver -Nasal
Glycidaldehyde	765-34-4	2.8 Minimum Criteria Systemic Toxicant	NA	NA	28	-Adrenals -Blood -Kidney
Glyphosate [or Roundup]	1071-83-6	* Primary Standard	120 Toxicity Criteria	120 Toxicity Criteria	***	-Kidney
Gross alpha radiation	14127-62-9	* Primary Standard	**	**	***	-Carcinogen
Guthion [or Methyl azinphos]	86-50-0	11 Minimum Criteria Systemic Toxicant	**	**	110	-Neurological
Heptachlor	76-44-8	* Primary Standard	**	**	***	-Carcinogen -Liver
Heptachlor epoxide	1024-57-3	* Primary Standard	0.00004 Human Health	0.00004 Human Health	***	-Carcinogen -Liver
Hexachloro-1,3-butadiene	87-68-3	0.4 Minimum Criteria Carcinogen	**	**	4	-Carcinogen -Kidney
Hexachlorobenzene	118-74-1	* Primary Standard	0.0003 Human Health	0.0003 Human Health	***	-Carcinogen -Liver
Hexachlorocyclohexane, alpha- [or BHC, alpha-]	319-84-6	0.006 Minimum Criteria Carcinogen	0.005 Human Health	0.005 Human Health	0.06	-Carcinogen
Hexachlorocyclohexane, beta- [BHC, beta-]	319-85-7	0.02 Minimum Criteria Carcinogen	**	**	0.2	-Carcinogen
Hexachlorocyclohexane, delta- [or BHC, delta-]	319-86-8	2.1 Minimum Criteria Systemic Toxicant	NA	NA	21	-Kidney -Liver

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Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Hexachlorocyclohexane, gamma- [or Lindane or BHC, gamma-]	58-89-9	* Primary Standard	**	**	***	-Carcinogen -Kidney -Liver
Hexachlorocyclohexane, technical [or BHC, technical]	608-73-1	0.02 Minimum Criteria Carcinogen	0.02 Toxicity Criteria	0.02 Toxicity Criteria	0.2	-Carcinogen
Hexachlorocyclopentadiene	77-47-4	* Primary Standard	3 Toxicity Criteria	3 Toxicity Criteria	***	-Gastrointestinal
Hexachlorodibenzo-p-dioxin (mixture)	19408-74-3	0.000006 Minimum Criteria Carcinogen	NA	NA	0.00006	-Carcinogen
Hexachloroethane	67-72-1	2.5 Minimum Criteria Carcinogen	3.3 Human Health	3.3 Human Health	25	-Carcinogen -Kidney
Hexachlorophene	70-30-4	2.1 Minimum Criteria Systemic Toxicant	1.1 Toxicity Criteria	1.1 Toxicity Criteria	21	-Neurological
Hexahydro-1,3,5-trinitro-1,3,5-triazine [or RDX]	121-82-4	0.3 Minimum Criteria Carcinogen	180 Toxicity Criteria	180 Toxicity Criteria	3	-Carcinogen -Reproductive
Hexane, n-	110-54-3	6 Minimum Criteria Organoleptic	3400 Toxicity Criteria	3400 Toxicity Criteria	60	-Neurological
Hexanone, 2- [or Methyl butyl ketone]	591-78-6	280 Minimum Criteria Systemic Toxicant	NA	NA	2800	-None Specified
Hexazinone	51235-04-2	230 Minimum Criteria Systemic Toxicant	25000 Human Health	25000 Human Health	2300	-Body Weight
HMX [see Octahydro-1,3,5,7-tetranitro-tetrazocine]						
Hydrogen cyanide (as Cyanide)	74-90-8	140 Minimum Criteria Systemic Toxicant	3.5 Toxicity Criteria	3.5 Toxicity Criteria	1400	-Neurological -Thyroid
Hydrogen sulfide	7783-06-4	21 Minimum Criteria Systemic Toxicant	0.1 Toxicity Criteria	0.1 Toxicity Criteria	210	-Gastrointestinal -Nasal
Hydroquinone	123-31-9	280 Minimum Criteria Systemic Toxicant	4.5 Toxicity Criteria	4.5 Toxicity Criteria	2800	-Blood

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Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Indeno(1,2,3-cd)pyrene	193-39-5	0.05 Minimum Criteria Carcinogen	**	**	0.5	-Carcinogen
Iprodione	36734-19-7	280 Minimum Criteria Systemic Toxicant	150 Toxicity Criteria	150 Toxicity Criteria	2800	-Blood
Iron	7439-89-6	* Secondary Standard	**	**	***	-Gastrointestinal
Isobutyl alcohol	78-83-1	2100 Minimum Criteria Systemic Toxicant	47000 Toxicity Criteria	47000 Toxicity Criteria	21000	-Neurological
Isophorone	78-59-1	37 Minimum Criteria Carcinogen	650 Toxicity Criteria	650 Toxicity Criteria	370	-Carcinogen -None Specified
Isopropyl benzene [see Cumene]						
Kelthane [see Dicofol]						
Kepone	143-50-0	0.004 Minimum Criteria Carcinogen	NA	NA	0.04	-Carcinogen
Lead	7439-92-1	* Primary Standard	**	**	***	-Neurological
Limonene	138-86-3	700 Minimum Criteria Systemic Toxicant	NA	NA	7000	-Kidney -Liver
Lindane [see Hexachlorocyclohexane, gamma-]						
Linuron	330-55-2	1.4# Minimum Criteria Systemic Toxicant	45 Toxicity Criteria	45 Toxicity Criteria	14	-Blood
Lithium	7439-93-2	140 Minimum Criteria Systemic Toxicant	NA	NA	1400	-None Specified
Malathion	121-75-5	140 Minimum Criteria Systemic Toxicant	**	**	1400	-Neurological

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Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Maleic anhydride	108-31-6	700 Minimum Criteria Systemic Toxicant	NA	NA	7000	-Kidney
Maleic hydrazide	123-33-1	3500 Minimum Criteria Systemic Toxicant	750 Toxicity Criteria	750 Toxicity Criteria	35000	-Kidney
Mancozeb	8018-01-7	210 Minimum Criteria Systemic Toxicant	3.5 Toxicity Criteria	3.5 Toxicity Criteria	2100	-Thyroid
Maneb	12427-38-2	35 Minimum Criteria Systemic Toxicant	5.5 Toxicity Criteria	5.5 Toxicity Criteria	350	-Thyroid
Manganese	7439-96-5	50 Secondary Standard	NA	NA	500	-Neurological
MCPA [see Methyl-4-chlorophenoxy acetic acid, 2-]						
MCPPP [see Propionic acid, 2-(2-methyl-4-chlorophenoxy)]						
Mercuric chloride (as Mercury)	7487-94-7	0.2# Minimum Criteria Systemic Toxicant	0.05 Toxicity Criteria	0.05 Toxicity Criteria	2	-Immunological -Kidney
Mercury	7439-97-6	* Primary Standard	**	**	***	-Neurological
Mercury, methyl- [see Methylmercury]						
Merphos	150-50-5	0.2 Minimum Criteria Systemic Toxicant	NA	NA	2	-Neurological
Merphos oxide	78-48-8	0.2 Minimum Criteria Systemic Toxicant	0.2 Toxicity Criteria	0.2 Toxicity Criteria	2	-Neurological
Metalaxyl	57837-19-1	420 Minimum Criteria Systemic Toxicant	37 Toxicity Criteria	37 Toxicity Criteria	4200	-Blood -Liver -Neurological
Methacrylonitrile	126-98-7	0.7 Minimum Criteria Systemic Toxicant	NA	NA	7	-Liver

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Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Methamidophos	10265-92-6	0.4 Minimum Criteria Systemic Toxicant	0.00001 Toxicity Criteria	0.00001 Toxicity Criteria	4	-Neurological
Methanol	67-56-1	3500 Minimum Criteria Systemic Toxicant	45000 Toxicity Criteria	45000 Toxicity Criteria	35000	-Developmental -Eye -Neurological
Methidathion	950-37-8	0.7# Minimum Criteria Systemic Toxicant	0.03 Toxicity Criteria	0.03 Toxicity Criteria	7	-Liver
Methomyl	16752-77-5	180 Minimum Criteria Systemic Toxicant	1 Toxicity Criteria	1 Toxicity Criteria	1800	-Kidney -Spleen
Methoxy-5-nitroaniline, 2-	99-59-2	0.8 Minimum Criteria Carcinogen	NA	NA	8	-Carcinogen
Methoxychlor	72-43-5	* Primary Standard	**	**	***	-Developmental -Reproductive
Methoxyethanol, 2-	109-86-4	7 Minimum Criteria Systemic Toxicant	NA	NA	70	-Reproductive
Methyl acetate	79-20-9	3000 Minimum Criteria Organoleptic	NA	NA	30000	-Liver
Methyl acrylate	96-33-3	210 Minimum Criteria Systemic Toxicant	NA	NA	2100	-None Specified
Methyl azinphos [see Guthion]						
Methyl bromide [see Bromomethane]						
Methyl butyl ketone [see Hexanone, 2-]						
Methyl chloride [or Chloromethane]	74-87-3	2.7 Minimum Criteria Carcinogen	**	**	27	-Carcinogen -Neurological
Methyl chloroform [see Trichloroethane, 1,1,1-]						

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Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Methyl ethyl ketone [or Butanone, 2-]	78-93-3	4200 Minimum Criteria Systemic Toxicant	120000 Toxicity Criteria	120000 Toxicity Criteria	42000	-Developmental
Methyl isobutyl ketone [or MIBK]	108-10-1	560 Minimum Criteria Systemic Toxicant	23000 Toxicity Criteria	23000 Toxicity Criteria	5600	-Kidney -Liver
Methyl methacrylate	80-62-6	25 Minimum Criteria Organoleptic	6500 Toxicity Criteria	6500 Toxicity Criteria	250	-Nasal
Methyl parathion [or Parathion, methyl]	298-00-0	1.8 Minimum Criteria Systemic Toxicant	0.01 Toxicity Criteria	0.01 Toxicity Criteria	18	-Blood -Neurological
Methyl tert-butyl ether [or MTBE]	1634-04-4	20 Minimum Criteria Organoleptic	34000 Toxicity Criteria	34000 Toxicity Criteria	200	-Eye -Kidney -Liver
Methyl-4-chlorophenoxy acetic acid, 2- [or MCPA]	94-74-6	3.5 Minimum Criteria Systemic Toxicant	72 Toxicity Criteria	72 Toxicity Criteria	35	-Kidney -Liver
Methyl-5-nitroaniline, 2-	99-55-8	1.1 Minimum Criteria Carcinogen	NA	NA	11	-Carcinogen
Methylaniline, 2-	95-53-4	0.1 Minimum Criteria Carcinogen	26 Toxicity Criteria	26 Toxicity Criteria	1	-Carcinogen
Methylene bis(2-chloroaniline), 4,4-	101-14-4	0.3 Minimum Criteria Carcinogen	NA	NA	3	-Carcinogen -Liver -Bladder
Methylene bromide	74-95-3	70 Minimum Criteria Systemic Toxicant	NA	NA	700	-Blood
Methylene chloride	75-09-2	* Primary Standard	**	**	***	-Carcinogen -Liver
Methylmercury [or Mercury, methyl]	22967-92-6	0.07# Minimum Criteria Systemic Toxicant	NA	NA	0.7	-Neurological
Methylnaphthalene, 1-	90-12-0	28 Minimum Criteria Systemic Toxicant	95 Toxicity Criteria	95 Toxicity Criteria	280	-Nasal
Methylnaphthalene, 2-	91-57-6	28 Minimum Criteria Systemic Toxicant	30 Toxicity Criteria	30 Toxicity Criteria	280	-Nasal

Table I
Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Methylphenol, 2- [or Cresol, o-]	95-48-7	35# Minimum Criteria Systemic Toxicant	250 Toxicity Criteria	250 Toxicity Criteria	350	-Neurological
Methylphenol, 3- [or Cresol, m-]	108-39-4	35# Minimum Criteria Systemic Toxicant	450 Toxicity Criteria	450 Toxicity Criteria	350	-Neurological
Methylphenol, 4- [or Cresol, p-]	106-44-5	3.5# Minimum Criteria Systemic Toxicant	70 Toxicity Criteria	70 Toxicity Criteria	35	-Neurological -Respiratory
Metolachlor	51218-45-2	110# Minimum Criteria Systemic Toxicant	1.1 Toxicity Criteria	1.1 Toxicity Criteria	1100	-Body Weight
Metribuzin	21087-64-9	180 Minimum Criteria Systemic Toxicant	64 Toxicity Criteria	64 Toxicity Criteria	1800	-Kidney -Liver
Metsulfuron, methyl [see Ally]						
Mevinphos	7786-34-7	1.8 Minimum Criteria Systemic Toxicant	0.05 Toxicity Criteria	0.05 Toxicity Criteria	18	-Neurological
MIBK [see Methyl isobutyl ketone]						
Mirex	2385-85-5	1.4 Minimum Criteria Systemic Toxicant	**	**	14	-Liver -Thyroid
Molinate	2212-67-1	14 Minimum Criteria Systemic Toxicant	17 Toxicity Criteria	17 Toxicity Criteria	140	-Reproductive
Molybdenum	7439-98-7	35 Minimum Criteria Systemic Toxicant	NA	NA	350	-Gout
MTBE [see Methyl tert-butyl ether]						
Naled	300-76-5	14 Minimum Criteria Systemic Toxicant	0.02 Toxicity Criteria	0.02 Toxicity Criteria	140	-Neurological
Naphthalene	91-20-3	14# Minimum Criteria Systemic Toxicant	26 Toxicity Criteria	26 Toxicity Criteria	140	-Nasal

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Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Naphthylamine, 2-	91-59-8	0.0003 Minimum Criteria Carcinogen	NA	NA	0.003	-Carcinogen
Napropamide	15299-99-7	700 Minimum Criteria Systemic Toxicant	210 Toxicity Criteria	210 Toxicity Criteria	7000	-Body Weight
Nickel	7440-02-0	* Primary Standard	**	**	***	-Body Weight
Nickel subsulfide	12035-72-2	* Primary Standard	**	**	***	-Carcinogen
Nitrate	14797-55-8	* Primary Standard	NA	NA	***	-Blood
Nitrate+Nitrite	NOCAS	* Primary Standard	NA	NA	***	-Blood
Nitrite	14797-65-0	* Primary Standard	NA	NA	***	-Blood
Nitroaniline, m-	99-09-2	1.7 Minimum Criteria Carcinogen	NA	NA	17	-Blood -Carcinogen
Nitroaniline, o-	88-74-4	21 Minimum Criteria Systemic Toxicant	NA	NA	210	-Blood
Nitroaniline, p-	100-01-6	1.7 Minimum Criteria Carcinogen	1200 Toxicity Criteria	1200 Toxicity Criteria	17	-Blood -Carcinogen
Nitrobenzene	98-95-3	3.5 Minimum Criteria Systemic Toxicant	90 Toxicity Criteria	90 Toxicity Criteria	35	-Adrenals -Blood -Kidney -Liver
Nitrophenol, 4-	100-02-7	56 Minimum Criteria Systemic Toxicant	55 Toxicity Criteria	55 Toxicity Criteria	560	-None Specified
Nitroso-di-ethylamine, N-	55-18-5	0.0002 Minimum Criteria Carcinogen	0.008 Human Health	0.008 Human Health	0.002	-Carcinogen
Nitroso-dimethylamine, N-	62-75-9	0.0007 Minimum Criteria Carcinogen	3 Human Health	3 Human Health	0.007	-Carcinogen

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Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Nitroso-di-n-butylamine, N-	924-16-3	0.006 Minimum Criteria Carcinogen	0.04 Human Health	0.04 Human Health	0.06	-Carcinogen
Nitroso-di-n-propylamine, N-	621-64-7	0.005 Minimum Criteria Carcinogen	0.5 Human Health	0.5 Human Health	0.05	-Carcinogen
Nitroso-diphenylamine, N-	86-30-6	7.1 Minimum Criteria Carcinogen	6 Human Health	6 Human Health	71	-Carcinogen
Nitroso-N-methylethylamine, N-	10595-95-6	0.002 Minimum Criteria Carcinogen	0.06 Human Health	0.06 Human Health	0.02	-Carcinogen
Nitrosopyrrolidine, N-	930-55-2	0.02 Minimum Criteria Carcinogen	NA	NA	0.2	-Carcinogen
Nitrotoluene, m-	99-08-1	140 Minimum Criteria Systemic Toxicant	380 Toxicity Criteria	380 Toxicity Criteria	1400	-Spleen
Nitrotoluene, o-	88-72-2	70 Minimum Criteria Systemic Toxicant	550 Toxicity Criteria	550 Toxicity Criteria	700	-Spleen
Nitrotoluene, p-	99-99-0	70 Minimum Criteria Systemic Toxicant	550 Toxicity Criteria	550 Toxicity Criteria	700	-Spleen
Nonylphenol	25154-52-3	8.4 Minimum Criteria Systemic Toxicant	5.9 Toxicity Criteria	1.4 Toxicity Criteria	84	-Kidney
Norflurazon	27314-13-2	280 Minimum Criteria Systemic Toxicant	NA	NA	2800	-Kidney -Liver -Thyroid
Octahydro-1,3,5,7-tetranitro-tetrazocine [or HMX]	2691-41-0	350 Minimum Criteria Systemic Toxicant	1300 Toxicity Criteria	1300 Toxicity Criteria	3500	-Blood -Liver
Octamethylpyrophosphoramidate	152-16-9	14 Minimum Criteria Systemic Toxicant	NA	NA	140	-Neurological
Oryzalin	19044-88-3	35# Minimum Criteria Systemic Toxicant	NA	NA	350	-Adrenals -Blood -Kidney -Liver
Oxadiazon	19666-30-9	35 Minimum Criteria Systemic Toxicant	44 Toxicity Criteria	44 Toxicity Criteria	350	-Liver

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Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Oxamyl	23135-22-0	* Primary Standard	8.5 Toxicity Criteria	8.5 Toxicity Criteria	***	-Body Weight
Paraquat	1910-42-5	3.2# Minimum Criteria Systemic Toxicant	47 Toxicity Criteria	47 Toxicity Criteria	32	-Respiratory
Parathion	56-38-2	4.2# Minimum Criteria Systemic Toxicant	**	**	42	-Neurological
Parathion, methyl [see Methyl parathion]						
PCBs [or Aroclor mixture]	1336-36-3	* Primary Standard	**	**	***	-Carcinogen -Immunological
PCE [see Tetrachloroethene]						
Pebulate	1114-71-2	350 Minimum Criteria Systemic Toxicant	310 Toxicity Criteria	310 Toxicity Criteria	3500	-Blood
Pendimethalin	40487-42-1	280 Minimum Criteria Systemic Toxicant	10 Toxicity Criteria	10 Toxicity Criteria	2800	-Liver
Pentachlorobenzene	608-93-5	5.6 Minimum Criteria Systemic Toxicant	1.7 Human Health	1.7 Human Health	56	-Kidney -Liver
Pentachloronitrobenzene	82-68-8	0.1 Minimum Criteria Carcinogen	0.02 Human Health	0.02 Human Health	1	-Carcinogen -Liver
Pentachlorophenol	87-86-5	* Primary Standard	**	**	***	-Carcinogen -Kidney -Liver
Perchlorate	7601-90-3	4 Minimum Criteria Systemic Toxicant	NA	NA	40	-Thyroid
Permethrin	52645-53-1	350 Minimum Criteria Systemic Toxicant	0.001 Toxicity Criteria	0.001 Toxicity Criteria	3500	-Liver
Phenanthrene	85-01-8	210 Minimum Criteria Systemic Toxicant	**	**	2100	-Kidney

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Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Phenmedipham [or Betanal]	13684-63-4	1800 Minimum Criteria Systemic Toxicant	200 Toxicity Criteria	200 Toxicity Criteria	18000	-None Specified
Phenol	108-95-2	10 Minimum Criteria Organoleptic	6.5 Toxicity Criteria	6.5 Toxicity Criteria	100	-Developmental
Phenylenediamine, m-	108-45-2	42 Minimum Criteria Systemic Toxicant	NA	NA	420	-Liver
Phenylenediamine, p-	106-50-3	1300 Minimum Criteria Systemic Toxicant	NA	NA	13000	-Whole Body
Phenylphenol, 2-	90-43-7	18 Minimum Criteria Carcinogen	36 Toxicity Criteria	36 Toxicity Criteria	180	-Carcinogen
Phorate	298-02-2	1.4 Minimum Criteria Systemic Toxicant	0.005 Toxicity Criteria	0.005 Toxicity Criteria	14	-Neurological
Phosmet	732-11-6	140 Minimum Criteria Systemic Toxicant	0.1 Toxicity Criteria	0.1 Toxicity Criteria	1400	-Liver -Neurological
Phosphine	7803-51-2	2.1 Minimum Criteria Systemic Toxicant	NA	NA	21	-Body Weight
Phthalic anhydride	85-44-9	14000 Minimum Criteria Systemic Toxicant	NA	NA	140000	-Kidney -Nasal -Respiratory
Picloram	1918-02-1	* Primary Standard	70 Toxicity Criteria	70 Toxicity Criteria	***	-Liver
Polychlorinated dibenzo-p-dioxins [see Dioxins]						
Polycyclic Aromatic Hydrocarbons (PAHs)			**	**		-Various Endpoints
Potassium cyanide	151-50-8	350 Minimum Criteria Systemic Toxicant	5.5 Toxicity Criteria	5.5 Toxicity Criteria	3500	-Neurological -Thyroid
Profluralin	26399-36-0	42 Minimum Criteria Systemic Toxicant	NA	NA	420	-None Specified

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Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Prometon	1610-18-0	110 Minimum Criteria Systemic Toxicant	600 Toxicity Criteria	600 Toxicity Criteria	1100	-None Specified
Prometryn	7287-19-6	28 Minimum Criteria Systemic Toxicant	21 Toxicity Criteria	21 Toxicity Criteria	280	-Bone Marrow -Kidney -Liver
Pronamide	23950-58-5	53# Minimum Criteria Systemic Toxicant	NA	NA	530	-None Specified
Propachlor	1918-16-7	91 Minimum Criteria Systemic Toxicant	12 Toxicity Criteria	12 Toxicity Criteria	910	-Liver
Propanil	709-98-8	35 Minimum Criteria Systemic Toxicant	20 Toxicity Criteria	20 Toxicity Criteria	350	-Spleen
Propargite	2312-35-8	140 Minimum Criteria Systemic Toxicant	1.6 Toxicity Criteria	1.6 Toxicity Criteria	1400	-None Specified
Propazine	139-40-2	14# Minimum Criteria Systemic Toxicant	190 Toxicity Criteria	190 Toxicity Criteria	140	-Body Weight
Propham	122-42-9	140 Minimum Criteria Systemic Toxicant	500 Toxicity Criteria	500 Toxicity Criteria	1400	-Neurological
Propiconazole	60207-90-1	91 Minimum Criteria Systemic Toxicant	26 Toxicity Criteria	26 Toxicity Criteria	910	-Gastrointestinal
Propionic acid, 2-(2-methyl-4-chlorophenoxy) [or MCPP]	93-65-2	7 Minimum Criteria Systemic Toxicant	NA	NA	70	-Kidney
Propoxur [see Baygon]						
Propylene glycol	57-55-6	140000 Minimum Criteria Systemic Toxicant	36000 Toxicity Criteria	36000 Toxicity Criteria	1400000	-Blood -Bone Marrow
Propylene glycol monomethyl ether	107-98-2	4900 Minimum Criteria Systemic Toxicant	NA	NA	49000	-Kidney -Liver -Neurological
Propylene oxide	75-56-9	0.1 Minimum Criteria Carcinogen	NA	NA	1	-Carcinogen -Nasal -Respiratory

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Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Pydrin [or Fenvalerate]	51630-58-1	180 Minimum Criteria Systemic Toxicant	0.0004 Toxicity Criteria	0.0004 Toxicity Criteria	1800	-Neurological
Pyrene	129-00-0	210 Minimum Criteria Systemic Toxicant	0.3 Toxicity Criteria	0.3 Toxicity Criteria	2100	-Kidney
Pyridine	110-86-1	7 Minimum Criteria Systemic Toxicant	1300 Toxicity Criteria	1300 Toxicity Criteria	70	-Liver
Quinoline	91-22-5	0.01 Minimum Criteria Carcinogen	NA	NA	0.1	-Carcinogen
Radium, 226 and 228 (combined)	7440-14-4	* Primary Standard	**	**	***	-Carcinogen
RDX [see Hexahydro-1,3,5-trinitro-1,3,5-triazine]						
Resmethrin	10453-86-8	210 Minimum Criteria Systemic Toxicant	0.003 Toxicity Criteria	0.003 Toxicity Criteria	2100	-Reproductive
Ronnel	299-84-3	350 Minimum Criteria Systemic Toxicant	0.06 Toxicity Criteria	0.06 Toxicity Criteria	3500	-Liver
Rotenone	83-79-4	28 Minimum Criteria Systemic Toxicant	0.1 Toxicity Criteria	0.1 Toxicity Criteria	280	-Developmental
Roundup [see Glyphosate]						
Selenious acid (as Selenium)	7783-00-8	35 Minimum Criteria Systemic Toxicant	40 Toxicity Criteria	40 Toxicity Criteria	350	-Hair Loss -Neurological -Skin
Selenium	7782-49-2	* Primary Standard	**	**	***	-Hair Loss -Neurological -Skin
Sevin [see Carbaryl]						
Silver	7440-22-4	* Secondary Standard	**	0.4 Toxicity Criteria (e)	***	-Skin

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Groundwater and Surface Water Cleanup Target Levels

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Silvex [see Trichlorophenoxy propionic acid]						
Simazine	122-34-9	* Primary Standard	7.3 Human Health	7.3 Human Health	***	-Blood -Carcinogen
Sodium	7440-23-5	* Primary Standard	NA	NA	***	-None Specified
Sodium chlorite [see Chlorite (sodium salt)]						
Sodium cyanide (as Cyanide)	143-33-9	280 Minimum Criteria Systemic Toxicant	3.8 Toxicity Criteria	3.8 Toxicity Criteria	2800	-Neurological
Strontium	7440-24-6	4200 Minimum Criteria Systemic Toxicant	NA	NA	42000	-Bone
Strychnine	57-24-9	2.1 Minimum Criteria Systemic Toxicant	38 Toxicity Criteria	38 Toxicity Criteria	21	-Mortality
Styrene	100-42-5	* Primary Standard	460 Toxicity Criteria	460 Toxicity Criteria	***	-Blood -Liver -Neurological
Sulfate	14808-79-8	* Secondary Standard	NA	NA	***	-None Specified
TCDD, 2,3,7,8- [see Dioxins, as total 2,3,7,8-TCDD equivalents]						
TCE [see Trichloroethene]						
TCMTB [see Thiocyanomethylthio-benzothiazole, 2-]						
TDS [see Total dissolved solids]						
Tebuthiuron	34014-18-1	490 Minimum Criteria Systemic Toxicant	310 Toxicity Criteria	310 Toxicity Criteria	4900	-Body Weight

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Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Temephos	3383-96-8	140 Minimum Criteria Systemic Toxicant	0.002 Toxicity Criteria	0.002 Toxicity Criteria	1400	-None Specified
Temik [see Aldicarb]						
Terbacil	5902-51-2	91 Minimum Criteria Systemic Toxicant	2500 Toxicity Criteria	2500 Toxicity Criteria	910	-Liver -Thyroid
Terbufos	13071-79-9	0.2 Minimum Criteria Systemic Toxicant	0.01 Toxicity Criteria	0.01 Toxicity Criteria	2	-Neurological
Terbutryn	886-50-0	7 Minimum Criteria Systemic Toxicant	3.1 Toxicity Criteria	3.1 Toxicity Criteria	70	-Blood
Tetrachlorobenzene, 1,2,4,5-	95-94-3	2.1 Minimum Criteria Systemic Toxicant	1.6 Human Health	1.6 Human Health	21	-Kidney
Tetrachloroethane, 1,1,1,2-	630-20-6	1.3 Minimum Criteria Carcinogen	NA	NA	13	-Carcinogen -Kidney -Liver
Tetrachloroethane, 1,1,2,2-	79-34-5	0.2 Minimum Criteria Carcinogen	**	**	2	-Carcinogen -Liver
Tetrachloroethene [or PCE]	127-18-4	* Primary Standard	**	**	***	-Carcinogen -Liver
Tetrachlorophenol, 2,3,4,6-	58-90-2	210 Minimum Criteria Systemic Toxicant	4.5 Toxicity Criteria	4.5 Toxicity Criteria	2100	-Liver
Tetraethyl dithiopyrophosphate	3689-24-5	3.5 Minimum Criteria Systemic Toxicant	0.01 Toxicity Criteria	0.01 Toxicity Criteria	35	-Bone Marrow -Neurological
Thallium	7440-28-0	* Primary Standard	**	**	***	-Hair Loss -Liver
Thallium sulfate (as Thallium)	7446-18-6	0.6 Minimum Criteria Systemic Toxicant	26 Toxicity Criteria	26 Toxicity Criteria	6	-Blood -Hair Loss -Liver
Thiobencarb	28249-77-6	70 Minimum Criteria Systemic Toxicant	NA	NA	700	-Kidney

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Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Thiocyanomethylthio-benzothiazole, 2-[or TCMTB]	21564-17-0	2.8# Minimum Criteria Systemic Toxicant	0.4 Toxicity Criteria	0.4 Toxicity Criteria	28	-Gastrointestinal
Thiram	137-26-8	35 Minimum Criteria Systemic Toxicant	0.2 Toxicity Criteria	0.2 Toxicity Criteria	350	-Neurological
Tin	7440-31-5	4200 Minimum Criteria Systemic Toxicant	NA	NA	42000	-Kidney -Liver
Titanium Dioxide	13463-67-7	28000 Minimum Criteria Systemic Toxicant	NA	NA	280000	
Toluene	108-88-3	* Secondary Standard	480 Toxicity Criteria	480 Toxicity Criteria	***	-Kidney -Liver -Neurological
Toluene-2,4-diamine	95-80-7	0.01 Minimum Criteria Carcinogen	NA	NA	0.1	-Carcinogen
Toluidine, p-	106-49-0	0.2 Minimum Criteria Carcinogen	NA	NA	2	-Carcinogen
Total dissolved solids [or TDS]	C-010	* Secondary Standard	NA	NA	***	-None Specified
Toxaphene	8001-35-2	* Primary Standard	**	**	***	-Carcinogen -Developmental
Triallate	2303-17-5	91 Minimum Criteria Systemic Toxicant	65 Toxicity Criteria	65 Toxicity Criteria	910	-Liver -Spleen
Tributyltin oxide	56-35-9	2.1 Minimum Criteria Systemic Toxicant	0.05 Toxicity Criteria	0.05 Toxicity Criteria	21	-Immunological
Trichloro-1,2,2-trifluoroethane, 1,1,2-[or CFC 113]	76-13-1	210000 Minimum Criteria Systemic Toxicant	NA	NA	2100000	-Neurological
Trichloroacetic acid	76-03-9	9.1 Minimum Criteria Systemic Toxicant	100000 Toxicity Criteria	100000 Toxicity Criteria	91	-None Specified
Trichlorobenzene, 1,2,3-	87-61-6	70 Minimum Criteria Systemic Toxicant	85 Toxicity Criteria	85 Toxicity Criteria	700	-Adrenals

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Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Trichlorobenzene, 1,2,4-	120-82-1	* Primary Standard	23 Toxicity Criteria	23 Toxicity Criteria	***	-Adrenals
Trichlorobenzene, 1,3,5-	108-70-3	40 Minimum Criteria Systemic Toxicant	NA	NA	400	-None Specified
Trichloroethane, 1,1,1- [or Methyl chloroform]	71-55-6	* Primary Standard	270 Toxicity Criteria	270 Toxicity Criteria	***	-None Specified
Trichloroethane, 1,1,2-	79-00-5	* Primary Standard	16 Human Health	16 Human Health	***	-Carcinogen -Liver
Trichloroethene [or TCE]	79-01-6	* Primary Standard	**	**	***	-Carcinogen -None Specified
Trichlorofluoromethane	75-69-4	2100 Minimum Criteria Systemic Toxicant	NA	NA	21000	-Cardiovascular -Kidney -Respiratory
Trichlorophenol, 2,4,5-	95-95-4	1 Minimum Criteria Organoleptic	23 Toxicity Criteria	23 Toxicity Criteria	10	-Kidney -Liver
Trichlorophenol, 2,4,6-	88-06-2	3.2 Minimum Criteria Carcinogen	**	**	32	-Carcinogen
Trichlorophenoxy acetic acid, 2,4,5-	93-76-5	70 Minimum Criteria Systemic Toxicant	140 Toxicity Criteria	140 Toxicity Criteria	700	-Kidney
Trichlorophenoxy propionic acid, 2, (2, 4, 5-) [or Silvex]	93-72-1	* Primary Standard	NA	NA	***	-Liver
Trichloropropane, 1,1,2-	598-77-6	35 Minimum Criteria Systemic Toxicant	NA	NA	350	-Kidney -Liver -Thyroid
Trichloropropane, 1,2,3-	96-18-4	0.02 Minimum Criteria Carcinogen	0.2 Human Health	0.2 Human Health	0.2	-Carcinogen -Kidney -Liver
Trichloropropene, 1,2,3-	96-19-5	35 Minimum Criteria Systemic Toxicant	NA	NA	350	-Eye
Trifluralin	1582-09-8	4.5 Minimum Criteria Carcinogen	0.2 Human Health	0.2 Human Health	45	-Blood -Carcinogen -Liver

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Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Trimethyl phosphate	512-56-1	0.9 Minimum Criteria Carcinogen	NA	NA	9	-Carcinogen
Trimethylbenzene, 1,2,3-	526-73-8	10 Minimum Criteria Organoleptic	NA	NA	100	-None Specified
Trimethylbenzene, 1,2,4-	95-63-6	10 Minimum Criteria Organoleptic	220 Toxicity Criteria	220 Toxicity Criteria	100	-None Specified
Trimethylbenzene, 1,3,5-	108-67-8	10 Minimum Criteria Organoleptic	220 Toxicity Criteria	220 Toxicity Criteria	100	-None Specified
Trinitrobenzene, 1,3,5-	99-35-4	210 Minimum Criteria Systemic Toxicant	19 Toxicity Criteria	19 Toxicity Criteria	2100	-Blood -Spleen
Trinitrophenylmethylnitramine	479-45-8	70 Minimum Criteria Systemic Toxicant	NA	NA	700	-Kidney -Liver -Spleen
Trinitrotoluene, 2,4,6-	118-96-7	1.2 Minimum Criteria Carcinogen	49 Toxicity Criteria	49 Toxicity Criteria	12	-Carcinogen -Liver
Trithion [see Carbophenothion]						
TRPH	NOCAS	5000 Minimum Criteria	5000 NA	5000 NA	50000	-Multiple Endpoints Mixed Contaminants
Uranium, soluble salts	7440-61-1	21 Minimum Criteria Systemic Toxicant	NA	NA	210	-Kidney
Vanadium	7440-62-2	49 Minimum Criteria Systemic Toxicant	NA	NA	490	-Hair Loss
Vanadium pentoxide (as Vanadium)	1314-62-1	63 Minimum Criteria Systemic Toxicant	13 Toxicity Criteria	13 Toxicity Criteria	630	-Hair Loss
Vernam	1929-77-7	7 Minimum Criteria Systemic Toxicant	12 Toxicity Criteria	12 Toxicity Criteria	70	-Body Weight
Vinyl acetate	108-05-4	88 Minimum Criteria Organoleptic	700 Toxicity Criteria	700 Toxicity Criteria	880	-Kidney -Nasal

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Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	
Vinyl chloride (d)	75-01-4	* Primary Standard	2.4 Human Health	2.4 Human Health	***	-Carcinogen -Liver
White phosphorus	7723-14-0	0.1 Minimum Criteria Systemic Toxicant	NA	**	1	-Maternal Death -Reproductive
Xylenes, total	1330-20-7	* Secondary Standard	370 Toxicity Criteria	370 Toxicity Criteria	***	-Neurological
Zinc	7440-66-6	* Secondary Standard	**	**	***	-Blood
Zinc chloride	7646-85-7	2100 Minimum Criteria Systemic Toxicant	1.5 Toxicity Criteria	1.5 Toxicity Criteria	21000	-Blood
Zinc phosphide	1314-84-7	2.1 Minimum Criteria Systemic Toxicant	NA	NA	21	-Body Weight
Zineb	12122-67-7	350 Minimum Criteria Systemic Toxicant	14 Toxicity Criteria	14 Toxicity Criteria	3500	-Thyroid

**Table I
Groundwater and Surface Water Cleanup Target Levels**

Contaminants	CAS#s	Groundwater Criteria	Freshwater Surface Water Criteria	Marine Surface Water Criteria	Groundwater of Low Yield/Poor Quality Criteria	Target Organs/Systems or Effects†
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	

† = These default Target Organ(s)/Systems or Effects are those reported to occur at the doses used to derive the reference dose. Non-default Target Organ(s)/Systems or Effects may be justified through a detailed toxicological analysis of the chemicals present at a specific site.

* = As provided in Chapter 62-520, F.A.C.

** = As provided in Chapter 62-302, F.A.C.

*** = Equal to 10 times the value provided in Chapter 62-520, F.A.C.

= Groundwater CTLs for class C carcinogens with no cancer slope factor were developed using the reference dose divided by a factor of 10, as described in the February 2005 'Final Technical Report: Development of Cleanup Target Levels (CTLs) for Chapter 62-777, F.A.C.'

(a) = Freshwater surface water criterion for ammonia based on unionized ammonia only. All other water criteria for ammonia are based on total ammonia.

(b) = The common name BHC is a misnomer for hexachlorocyclohexane.

(c) = Criteria for Dioxins, as total 2,3,7,8-TCDD equivalents should be compared to the total dioxin equivalents for chlorinated dioxin and dibenzofuran congeners using the approach described in the February 2005 'Final Technical Report: Development of Cleanup Target Levels (CTLs) for Chapter 62-777, F.A.C.'

(d) = Surface water values protective of human health for Vinyl chloride calculated assuming continuous lifetime exposure from birth as described in the February 2005 'Final Technical Report: Development of Cleanup Target Levels (CTLs) for Chapter 62-777, F.A.C.'

(e) = Criteria for these metals are measured as total recoverable metal. However, they may be applied as dissolved metals when, as part of a permit application, a dissolved metals translator has been established according to the procedures described in the document, "Guidance for Establishing a Metals Translator", Florida Department of Environmental Protection, December 17, 2001.

(f) = In the absence of concentration data specific for the III and VI valence states of chromium, total chromium concentrations in surface water should be compared to the criteria for Chromium (hexavalent).

(g) = 12789-03-6 or 57-74-9

Toxicity Criteria = 1/20 of applicable LC50 data.

Organoleptic = Pertaining to or perceived by a sensory organ (i.e., color, taste or odor).

NA = Not available at time of Rule adoption.

None Specified = Target organ(s) not available at time of Rule adoption.

Note: Freshwater and marine surface waters, and groundwater at the point of discharge into surface water shall pass acute and chronic toxicity bioassay tests: The user should consult the standard definitions for acute and chronic toxicity given in FAC 62-302.200(1) and FAC 62-302.200(4), respectively.

Note: If more than one contaminant is present at a site, the GCTL values are to be modified, if necessary, such that the sum of the hazard quotients for non-carcinogenic contaminants affecting the same organ(s) is 1 or less. For carcinogens, the GCTL values shall be modified such that the cumulative lifetime risk level posed by the contaminants is 1.0E-06, as presented in Figure 10 of the February 2005 'Final Technical Report: Development of Cleanup Target Levels (CTLs) for Chapter 62-777, F.A.C.' However, GCTLs for primary and secondary standards shall not be modified.