

**NYSDEC**  
**Contained-In Action Levels**

Soil/Sediment "Contained-In" Criteria: cannot exceed ingestion action levels in media and media's leachate cannot adversely impact groundwater; see TAGM p. 13.

SUBSTANCE	CASNUM	Groundwater Action Level (ug/L)	R E F	Soil/ Sediment Action Level (mg/kg)	R E F
ACENAPHTHENE	83-32-9	2.0E+01	d	4.7E+03	C
ACENAPHTHYLENE	208-96-8	5.0E+01	a		
ACEPHATE	30560-19-1	5.0E+01	a	7.4E+01	C
ACETONE (2-PROPANONE)	67-64-1	5.0E+01	d	7.8E+03	C
ACETONE CYANOHYDRIN (2-METHYLLACTONITRILE)	75-86-5	2.8E+01	e	6.3E+01	C
ACETONITRILE (METHYL CYANIDE)	75-05-8	5.0E+01	a	4.7E+02	C
ACETOPHENONE (1-PHENYL-ETHANONE)	98-86-2	5.0E+01	a	7.8E+03	C
2-ACETYLAMINOFLUORENE (2-AAF)	53-96-3	5.0E+01	a		
ACROLEIN (2-PROPENAL)	107-02-8	5.0E+00	a	1.6E+03	C
ACRYLAMIDE	79-06-1	5.0E+00	a	1.4E-01	C
ACRYLIC ACID	79-10-7	5.0E+01	d	3.9E+04	C
ALACHLOR	15972-60-8	3.5E+01	a	7.9E+00	C
ALDICARB	116-06-3	7.0E+00	a	7.8E+01	C
ALDICARB & METHOMYL	116-06-3;16752-77-5	3.5E-01	a		
ALDRIN	309-00-2	ND	a	3.8E-02	C
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	68391-01-5	5.0E+01	d		
ALLYL ALCOHOL	107-18-6	5.0E+01	a	3.9E+02	C
ALLYL CHLORIDE (3-CHLORO-1-PROPENE)	107-05-1	5.0E+00	a	1.6E+02	C
ALUMINUM PHOSPHIDE	20859-73-8	1.4E+01	e	3.1E+01	C
AMETRYN	834-12-8	5.0E+01	a	7.0E+02	C
AMIBEN	133-90-4	8.8E+01	a		
4-AMINOBIIPHENYL	92-67-1	5.0E+00	a		
m-AMINOPHENOL	591-27-5	*3	a	5.5E+03	C
4-AMINOPYRIDINE	504-24-5	1.0E+00	g	1.6E+00	C
AMMONIA	7664-41-7	<2.0E+03	a		
ANILINE (BENZENAMINE)	62-53-3	5.0E+00	a	1.1E+02	C
ANTHRACENE	120-12-7	5.0E+01	d	2.3E+04	C
ANTIMONY, TOTAL	*1	3.0E+00	a	3.1E+01	C
ARAMITE	140-57-8	5.0E+01	d	2.6E+01	C
ARSENIC, TOTAL	*1	2.50E+01	a	4.0E-01	C
ATRAZINE	1912-24-9	7.50E+00	a	2.7E+03	C
AZINPHOSMETHYL	86-50-0	4.40E+00	a		
AZOBENZENE	103-33-3	5.0E+00	a	5.8E+00	C
BARIUM, TOTAL	*1	1.00E+03	a	5.5E+03	C
BARIUM CYANIDE	542-62-1	2.5E+03	e	5.5E+03	C
BENEFIN	1861-40-1	3.50E+01	a	2.3E+04	C
BENZALDEHYDE	100-52-7	5.0E+01	d	7.8E+03	C
BENZ(a)ANTHRACENE (BENZANTHRACENE)	56-55-3	2.0E-03	d	9.0E-01	C
BENZENE	71-43-2	1.0E+00	a	2.2E+01	C
BENZIDINE	92-87-5	5.0E+00	a	2.8E-03	C
BENZISOTHIAZOLE	271-61-4	5.0E+01	d		
BENZO(b)FLUORANTHENE	205-99-2	2.0E-03	d	9.0E-01	
BENZO(k)FLUORANTHENE	207-08-9	2.0E-03	d	9.0E+00	
BENZOIC ACID	65-85-0	5.0E+01	a	3.2E+05	C
BENZO(g,h,i)PERYLENE	191-24-2	5.0E+01	a		

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BENZO(a)PYRENE	50-32-8	ND	a	9.0E-02	C
BENZOTRICHLORIDE	98-07-7	5.0E+01	a	4.9E-02	C
BENZYL ALCOHOL (BENZENEMETHANOL)	100-51-6	5.0E+01	a	2.3E+04	C
BENZYL CHLORIDE	100-44-7	5.0E+01	a	3.8E+00	C
BERYLLIUM, TOTAL	*1	4.0E+00	d	1.5E-01	C
alpha-BHC	319-84-6	ND	a	1.0E-01	C
beta-BHC	319-85-7	ND	a	3.6E-01	C
delta-BHC	319-86-8	ND	a		
1,1-BIPHENYL	92-52-4	5.0E+00	a	3.9E+03	C
BIS(2-CHLOROETHOXY)METHANE	111-91-1	5.0E+00	a		
BIS(2-CHLOROETHYL)ETHER	111-44-4	1.0E+00	a	5.8E-01	C
BIS(CHLOROMETHYL)ETHER (BCME)	542-88-1	5.0E+00	a	2.9E-03	C
BIS(2-CHLORO-1-METHYLETHYL)ETHER	108-60-1	5.0E+00	a	9.1E+00	C
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	5.0E+01	d	4.6E+01	C
BISPHENOL A	80-05-7	*3	a	3.9E+03	C
BIS(PENTABROMOPHENYL)ETHER	1163-19-5	5.0E+00	a	7.8E+02	C
BORIC ACID, BORATES & METABORATES	11113-50-1;10043-35-3;1303-96-4	1.3E+02	a	7.0E+03	C
BORON, TOTAL	*1	1.0E+03	e	7.0E+03	C
BROMACIL	314-40-9	4.4E+00	a		
BROMIDES	NA	2.0E+03	e		
BROMOBENZENE	108-86-1	5.0E+00	a		
BROMOCHLOROMETHANE	74-97-5	5.0E+00	a		
BROMODICHLOROMETHANE	75-27-4	5.0E+01	d	1.0E+01	C
BROMOFORM (TRIBROMOMETHANE)	75-25-2	5.0E+01	d	8.1E+01	C
BROMOMETHANE (METHYL BROMIDE)	74-83-9	5.0E+00	a	1.1E+02	C
4-BROMOPHENYL PHENYL ETHER (1-BROMO-4-PHENOXYBENZENE)	101-55-3	5.0E+00	a		
BROMOPHOS	2104-96-3	5.0E+00	a	3.9E+02	C
BROMOXYNIL	1689-84-5	5.0E+00	a	1.6E+03	C
1-BUTANOL (BUTYL ALCOHOL)	71-36-3	5.0E+01	a	7.8E+03	C
BUTACHLOR	23184-66-9	3.5E+00	a		
BUTOXYETHOXYETHANOL	112-34-5	5.0E+01	d		
BUTOXYPROPANOL	5131-66-8	5.0E+01	d		
BUTYLATE	2008-41-5	5.0E+01	a	3.9E+03	C
n-BUTYLBENZENE	104-51-8	5.0E+00	a		
sec-BUTYLBENZENE	135-98-8	5.0E+00	a		
tert-BUTYLBENZENE	98-06-6	5.0E+00	a		
BUTYL BENZYL PHTHALATE	85-68-7	5.0E+01	d	1.6E+04	C
BUTYL ISOPROPYL PHTHALATE	NA	5.0E+01	d		
CACODYLIC ACID (AGENT BLUE)	75-60-5	5.0E+01	a	2.3E+02	C
CADMIUM, TOTAL	*1	5.0E+00	b	7.8E+01	C
CALCIUM CYANIDE	592-01-8	1.4E+03	e	3.1E+03	C
CAPROLACTAM	105-60-2	5.0E+01	a	3.9E+04	C
CAPTAFOL	2425-06-1	5.0E+01	a	7.4E+01	C
CAPTAN	133-06-2	1.8E+01	a	1.8E+02	C
CARBARYL	63-25-2	2.9E+01	a	7.8E+03	C

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CARBAZOLE	86-74-8	5.0E+00	a	3.2E+01	C
CARBOFURAN	1563-66-2	1.5E+01	a	3.9E+02	C
CARBON DISULFIDE	75-15-0	5.0E+00	a	7.8E+03	C
CARBON TETRACHLORIDE (TETRACHLOROMETHANE)	56-23-5	5.0E+00	a	4.9E+00	C
CHLORAL (TRICHLOROACETALDEHYDE)	75-87-6	5.0E+01	a	1.6E+02	C
CHLORANIL	118-75-2	5.0E+00	a	1.6E+00	C
CHLORDANE	12789-03-6	1.0E-01	a	4.9E-01	C
CHLORIDES	NA	2.5E+05	a		
CHLORINE CYANIDE	506-77-4	1.8E+03	e	3.9E+03	C
CHLOROACETIC ACID	79-11-8	5.0E+01	a	1.6E+02	C
p-CHLOROANILINE (4-CHLOROANILINE)	106-47-8	5.0E+00	a	1.8E+01	C
CHLORO BENZENE	108-90-7	5.0E+00	a	1.6E+03	C
CHLORO BENZILATE	510-15-6	5.0E+01	a	1.6E+03	C
p-CHLORO BENZOIC ACID	74-11-3	5.0E+00	a	1.6E+04	C
4-CHLORO BENZOTRIFLUORIDE	98-56-6	5.0E+00	a	1.6E+03	C
1-CHLOROBUTANE	109-69-3	5.0E+00	a	3.1E+04	C
p-CHLORO-m-CRESOL (4-CHLORO-3-METHYLPHENOL)	59-50-7	*3	a		
1-CHLORO-2,3-EPOXYPROPANE (EPICHLOROHYDRIN)	106-89-8	5.0E+00	a	6.5E+01	C
CHLOROETHANE (ETHYL CHLORIDE)	75-00-3	5.0E+00	a	4.9E+01	C
CHLOROFORM (TRICHLOROMETHANE)	67-66-3	7.0E+00	a	1.0E+02	C
CHLOROMETHYL METHYL ETHER (CMME)	107-30-2	5.0E+00	a	2.9E-03	C
2-CHLORONAPHTHALENE	91-58-7	1.0E+01	d		
o-CHLORONITROBENZENE	88-73-3	5.0E+00	a	2.6E+01	C
p-CHLORONITROBENZENE	100-00-5	5.0E+00	a	3.6E+01	C
2-CHLOROPHENOL	95-57-8	*3	a	3.9E+02	C
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	5.0E+01	a		
CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	126-99-8	5.0E+00	a	1.6E+03	C
CHLOROPROPHAM (CHLORPROPHAM)	101-21-3	5.0E+00	a	1.6E+04	C
CHLOROPYRIFOS (CHLORPYRIFOS)	2921-88-2	5.0E+01	a	2.3E+02	C
CHLOROTHALONIL (TETRACHLOROISOPHTHALONITRILE)	1897-45-6	5.0E+00	a	1.2E+03	C
CHLOROTHIOPHOS	21923-23-9	5.0E+01	a	6.4E+01	C
2-CHLOROTOLUENE (o-CHLOROTOLUENE)	95-49-8	5.0E+00	a	1.6E+03	C
4-CHLOROTOLUENE (p-CHLOROTOLUENE)	106-43-4	5.0E+00	a		
4-CHLORO-o-TOLUIDINE (4-CHLORO-2-METHYLANILINE)	95-69-2	5.0E+00	a	1.1E+00	C
4-CHLORO-o-TOLUIDINE HYDROCHLORIDE	3165-93-3	5.0E+00	a	1.4E+00	C
5-CHLORO-o-TOLUIDINE (3-CHLORO-6-METHYLANILINE)	95-79-4	5.0E+00	a		
CHROMIUM, TOTAL	*1	5.0E+01	a		
CHROMIUM, HEXAVALENT (CHROMIUM (VI))	18540-29-9	5.0E+01	a	3.9E+02	C
CHROMIUM, TRIVALENT (CHROMIUM (III))	16065-83-1	5.0E+01	a	7.8E+04	C
CHRYSENE	218-01-9	2.0E-01	b	8.8E+01	
COPPER, TOTAL	*1	<200	a		
COPPER CYANIDE	544-92-3	1.8E+02	e	3.9E+02	C
m-CRESOL (3-METHYL PHENOL)	108-39-4	*3	a	3.9E+03	C
o-CRESOL (2-METHYL PHENOL)	95-48-7	*3	a	3.9E+03	C
p-CRESOL (4-METHYL PHENOL)	106-44-5	*3	a	3.9E+03	C

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CRESOLS	1319-77-3	*3	a	3.9E+03	C
CROTONALDEHYDE (2-BUTENAL)	123-73-9	5.0E+00	a	3.4E-01	C
CYANAZINE	21725-46-2	7.0E+01	e	1.6E+02	C
CYANIDE, TOTAL	*1	<100	a	1.6E+03	C
CYANOGEN	460-19-5	1.4E+03	e	3.1E+03	C
CYANOGEN BROMIDE	506-68-3	5.0E+00	a	7.0E+03	C
CYCLOHEXYLAMINE	108-91-8	5.0E+01	a	1.6E+04	C
DACTHAL (DCPA)	1861-32-1	5.0E+00	a	3.9E+04	C
DALAPON (SODIUM SALT)	127-20-8	5.0E+01	a	2.3E+03	C
2,4-DB	94-82-6	5.0E+00	a	6.3E+02	C
4,4'-DDD	72-54-8	ND	a	2.7E+00	C
4,4'-DDE	72-55-9	ND	a	1.9E+00	C
4,4'-DDT	50-29-3	ND	a	1.9E+00	C
DEMETON (DEMETON-O & DEMETON-S)	8065-48-3	1.4E+00	e	3.1E+00	C
DEMETON-O	298-03-3	5.0E+01	a		
DEMETON-S	126-75-0	5.0E+01	a		
DIALLATE	2303-16-4	5.0E+01	a	1.0E+01	C
DIAZINON	333-41-5	7.0E-01	a	7.0E+01	C
DIBENZ(a,h)ANTHRACENE	53-70-3	2.0E-01	b	9.0E-02	C
DIBENZOFURAN	132-64-9	5.0E+01	a		
1,4-DIBROMOBENZENE (p-DIBROMOBENZENE)	106-37-6	5.0E+00	a	7.8E+02	C
DIBROMOCHLOROMETHANE (CHLORODIBROMOMETHANE)	124-48-1	5.0E+01	d	7.6E+00	C
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	96-12-8	2.0E-01	b	2.9E-02	C
DIBROMODICHLOROMETHANE	594-18-3	5.0E+00	a	7.6E+00	C
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	106-93-4	5.0E+00	a	7.5E-03	C
DIBROMOMETHANE (METHYLENE BROMIDE)	74-95-3	5.0E+00	a	7.8E+02	C
2,2-DIBROMO-3-NITRILOPROPIONAMIDE	10222-01-2	5.0E+01	a		
DI-n-BUTYL PHTHALATE	84-74-2	5.0E+01	a	7.8E+03	C
DICAMBA	1918-00-9	4.4E-01	a	2.3E+03	C
DICHLONE (2,3-DICHLORO-1,4-NAPHTHOQUINONE)	117-80-6	5.0E+00	a		
1,2-DICHLOROBENZENE (o-DICHLOROBENZENE)	95-50-1	4.7E+00	a	7.8E+03	C
1,3-DICHLOROBENZENE (m-DICHLOROBENZENE)	541-73-1	5.0E+00	a		
1,4-DICHLOROBENZENE (p-DICHLOROBENZENE)	106-46-7	4.7E+00	a	2.7E+01	C
3,3-DICHLOROBENZIDINE	91-94-1	5.0E+00	a	1.0E+00	C
1,4-DICHLORO-2-BUTENE	764-41-0	5.0E+00	a		
trans-1,4-DICHLORO-2-BUTENE	110-57-6	5.0E+00	a		
DICHLORODIFLUOROMETHANE (F-12)	75-71-8	5.0E+00	a	1.6E+04	C
1,1-DICHLOROETHANE	75-34-3	5.0E+00	a	7.8E+03	C
1,2-DICHLOROETHANE (ETHYLENE DICHLORIDE)	107-06-2	5.0E+00	a,b	7.0E+00	C
1,1-DICHLOROETHYLENE	75-35-4	5.0E+00	a	1.1E+00	C
cis-1,2-DICHLOROETHYLENE	156-59-2	5.0E+00	a	7.8E+02	C
trans-1,2-DICHLOROETHYLENE	156-60-5	5.0E+00	a	1.6E+03	C
DICHLOROFLUOROMETHANE	75-43-4	5.0E+00	a		
2,4-DICHLOROPHENOL	120-83-2	*3	a	2.3E+02	C
2,6-DICHLOROPHENOL	87-65-0	*3	a		

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2,4-DICHLOROPHENOXYACETIC ACID (2,4-D)	94-75-7	4.4E+00	a	7.8E+02	C
1,2-DICHLOROPROPANE	78-87-5	5.0E+00	a	9.4E+00	C
1,3-DICHLOROPROPANE	142-28-9	5.0E+00	a		
2,2-DICHLOROPROPANE	594-20-7	5.0E+00	a		
1,1-DICHLOROPROPENE	563-58-6	5.0E+00	a		
1,3-DICHLOROPROPENE	542-75-6	5.0E+00	a	3.6E+00	C
cis-1,3-DICHLOROPROPENE	10061-01-5	5.0E+00	a		
trans-1,3-DICHLOROPROPENE	10061-02-6	5.0E+00	a		
DICHLORVOS (DICHLOROVOS)	67-73-7	5.0E+00	a	2.2E+00	C
DICYCLOPENTADIENE	77-73-6	5.0E+01	a	2.3E+03	C
DIELDRIN	60-57-1	ND	a	4.0E-02	C
DIETHYLENE GLYCOL MONOETHYL ETHER	111-90-0	5.0E+01	a	1.6E+05	C
DIETHYLFORMAMIDE	617-84-4	5.0E+01	a	8.6E+03	C
DIETHYLPTHALATE	84-66-2	5.0E+01	d	6.3E+04	C
o,o-DIETHYL o-2-PYRAZINYL PHOSPHOROTHIOATE	297-97-2	5.0E+01	a		
DIETHYLSTILBESTROL (DES)	56-53-1	5.0E+01	a	1.3E-03	C
DIMETHOATE	60-51-5	7.0E+00	e	1.6E+01	C
3,3'-DIMETHOXYBENZIDINE	119-90-4	5.0E+00	a	4.6E+01	C
p-(DIMETHYLAMINO)AZOBENZENE	60-11-7	5.0E+00	a		
2,4-DIMETHYLANALINE (2,4-XYLIDINE)	95-68-1	5.0E+00	a	8.5E-01	C
n,n-DIMETHYLANILINE	121-69-7	5.0E+00	a	1.6E+02	C
7,12-DIMETHYLBENZ (a) ANTHRACENE	57-97-6	5.0E+01	a		
3,3'-DIMETHYLBENZIDINE	119-93-7	5.0E+00	a	7.0E-02	C
DIMETHYLFORMAMIDE (n,n-DIMETHYLFORMAMIDE)	68-12-2	5.0E+01	d	7.8E+03	C
1,1-DIMETHYLHYDRAZINE	57-14-7	5.0E+01	a	7.4E-02	C
1,2-DIMETHYLHYDRAZINE	540-73-8	5.0E+01	a	4.6E-04	C
alpha, alpha-DIMETHYLPHENETHYLAMINE	122-09-8	5.0E+00	a		
2,4-DIMETHYLPHENOL	105-67-9	*3	a	1.6E+03	C
2,6-DIMETHYLPHENOL	576-26-1	*3	a	4.7E+01	C
3,4-DIMETHYLPHENOL	95-65-8	*3	a	7.8E+01	C
DIMETHYL PHTHALATE	131-11-3	5.0E+01	d	7.8E+04	C
DIMETHYL-p-PHTHALATE	120-61-6	5.0E+01	a	7.8E+03	C
1,3-DINITROBENZENE (m-DINITROBENZENE)	99-65-0	5.0E+00	a	7.8E+00	C
4,6-DINITRO-o-CRESOL (2-METHYL-4,6-DINITROPHENOL)	534-52-1	*3	a	7.8E+00	C
2,4-DINITROPHENOL	51-28-5	*3	a	1.6E+02	C
2,4-DINITROTOLUENE	121-14-2	5.0E+00	a	9.4E-01	C
2,6-DINITROTOLUENE	606-20-2	5.0E+00	a	9.4E-01	C
DINOCAP	6119-92-2	5.0E+00	a		
DINOSEB (DNBP)	88-85-7	*3	a	7.8E+01	C
DI-n-OCTYL PHTHALATE	117-84-0	5.0E+01	d	1.6E+03	C
1,4-DIOXANE	123-91-1	5.0E+01	a	5.8E+01	C
DIPHENYLAMINE (N,N-DIPHENYLAMINE)	122-39-4	5.0E+00	a	2.0E+03	C
1,2-DIPHENYLHYDRAZINE	122-66-7	ND	a	8.0E-01	C
DISULFOTON	298-04-4	ND	a	3.1E+01	C
DITHANE D-14	142-59-6	1.8E+00	a		

**NYSDEC  
Contained-In Action Levels**

Soil/Sediment "Contained-In" Criteria: cannot exceed ingestion action levels in media and media's leachate cannot adversely impact groundwater; see TAGM p. 13.

SUBSTANCE	CASNUM	Groundwater Action Level (ug/L)	R E F	Soil/ Sediment Action Level (mg/kg)	R E F
DYPHYLLINE	479-18-5	5.0E+01	d		
ENDOSULFAN	115-29-7	5.0E+00	a	7.8E+00	C
ENDOSULFAN I	959-98-8	5.0E+00	a		
ENDOSULFAN II	33213-65-9	5.0E+00	a		
ENDOSULFAN SULFATE	1031-07-8	5.0E+00	a		
ENDOTHALL	145-73-3	5.0E+01	d	1.6E+03	C
ENDRIN	72-20-8	ND	a	2.3E+01	C
ENDRIN ALDEHYDE	7421-93-4	5.0E+00	a		
ETHION	563-12-2	5.0E+01	a	3.9E+01	C
2-ETHOXYETHANOL	110-80-5	5.0E+01	a	3.1E+04	C
2-ETHOXYETHANOL ACETATE	111-15-9	5.0E+01	a	2.3E+04	C
ETHYL ACETATE	141-78-6	5.0E+01	a	7.0E+04	C
ETHYL ACRYLATE	140-88-5	5.0E+01	a	1.3E+01	C
ETHYLBENZENE	100-41-4	5.0E+00	a	7.8E+03	C
ETHYL DI-n-PROPYLTHIOCARBOMATE (EPTC)	759-94-4	5.0E+01	a	2.0E+03	C
ETHYLENE CHLOROHYDRIN	107-07-3	5.0E+01	d		
ETHYLENE CYANOHYDRIN	109-78-4	5.0E+01	a	2.3E+04	C
ETHYLENEDIAMINE	107-15-3	5.0E+01	a	1.6E+03	C
ETHYLENE GLYCOL	107-21-1	5.0E+01	d	1.6E+05	C
ETHYLENE OXIDE	75-21-8	5.0E-02	d	1.8E+00	C
ETHYLENETHIOUREA	96-45-7	ND	a	1.8E+01	C
ETHYL ETHER	60-29-7	5.0E+01	a	3.9E+04	C
ETHYL METHACRYLATE	97-63-2	5.0E+01	a	7.0E+03	C
ETHYL METHANESULFONATE	62-50-0	5.0E+01	a		
FAMPHUR	52-85-7	5.0E+01	a		
FERBAM	14484-64-1	4.2E+00	a		
FLUORANTHENE	206-44-0	5.0E+01	d	3.1E+03	C
FLUORENE	86-73-7	5.0E+01	d	3.1E+03	C
FLUORIDES	NA	<1500	a	4.7E+03	C
FOLPET	133-07-3	5.00E+01	a	1.8E+02	C
FORMALDEHYDE (METHYL ALDEHYDE)	50-00-0	5.0E+00	a	2.1E+01	C
FORMIC ACID	64-18-6	5.0E+01	a	1.6E+05	C
FURAN	110-00-9	3.5E+01	e	7.8E+01	C
FURAZOLIDONE	67-45-8	5.0E+01	a	1.7E-01	C
FURFURAL	98-01-1	5.0E+01	a	2.3E+02	C
FURIUM	531-82-8	7.0E-03	e	1.3E-02	C
GLYCIDALDEHYDE (2,3-EPOXYPROPANAL)	765-34-4	5.0E+01	a	3.1E+01	C
GROSS ALPHA RADIATION	NA	5Cpi/L	b		
GROSS BETA RADIATION	NA	1000pCi/L	d		
GUAIFENESIN	93-14-1	5.0E+01	d		
HEPTACHLOR	76-44-8	ND	a	1.4E-01	C
HEPTACHLOR EPOXIDE	1024-57-3	ND	a	7.0E-02	C
HEXABROMOBENZENE	87-82-1	5.0E+00	a	1.6E+02	C
HEXACHLOROENZENE	118-74-1	3.5E-01	a	4.0E-01	C
HEXACHLORO-1,3-BUTADIENE	87-68-3	5.0E+00	a	8.2E+00	C

**NYSDEC**  
**Contained-In Action Levels**

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SUBSTANCE	CASNUM	Groundwater Action Level (ug/L)	R E F	Soil/ Sediment Action Level (mg/kg)	R E F
HEXACHLOROCYCLOPENTADIENE	77-47-4	5.0E+00	a	5.5E+02	
HEXACHLORODIBENZO-p-DIOXIN	19408-74-3	f	a	1.0E-03	C
HEXACHLOROETHANE	67-72-1	5.0E+00	a	4.6E+01	C
HEXACHLOROPHENE	70-30-4	7.0E+00	a	2.3E+01	C
HEXACHLOROPROPENE	1888-71-7	5.0E+00	a		
N-HEXANE	110-54-3	5.0E+01	a	4.7E+03	C
2-HEXANONE	591-78-6	5.0E+01	d		
HYDRAZINE	302-01-2	1.2E-02	e	2.1E-01	C
HYDRAZINE SULFATE	10034-93-2	1.2E-02	e	2.1E-01	C
HYDROGEN CYANIDE	74-90-8	7.0E+02	e	1.6E+03	C
HYDROGEN SULFIDE	7783-06-4	1.1E+02	e	2.3E+02	C
HYDROQUINONE (p-HYDROQUINONE)	123-31-9	5.0E+01	d	3.1E+03	C
1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID	2809-21-4	5.0E+01	d		
2-(2-HYDROXY-3,5-DI-TERTPENTYLPHENYL)-BENZOTRIAZOLE	25973-55-1	5.0E+01	d		
INDENO(1,2,3-cd)PYRENE	193-39-5	2.0E-03	d	9.0E-01	C
IRON, TOTAL	*1	3.0E+02	a, *2		
ISOBUTYL ALCOHOL (2-METHYL-1-PROPANOL)	78-83-1	5.0E+01	a	2.3E+04	C
ISODECYL DIPHENYL PHOSPHATE	29761-21-5	5.0E+01	a		
ISODRIN	465-73-6	5.0E+00	a		
ISOPHORONE	78-59-1	5.0E+01	d	6.7E+02	C
ISOPROPALIN	33820-53-0	5.0E+00	a	1.2E+03	C
ISOPROPYLBENZENE (CUMENE)	98-82-8	5.0E+00	a	3.1E+03	C
p-ISOPROPYLTOLUENE	99-87-6	5.0E+00	a		
ISOSAFROLE	120-58-1	5.0E+01	a		
KARBUTILATE	4849-32-5	5.0E+00	a		
KEPONE	143-50-0	ND	a		
LEAD, TOTAL	*1	1.5E+01	b	4.0E+02	h
LINDANE (gamma-BHC)	58-89-9	ND	a	4.9E-01	C
LINURON	330-55-2	5.0E+00	a	1.6E+02	C
MAGNESIUM, TOTAL	*1	3.5E+04	e		
MALATHION	121-75-5	7.0E+00	a	1.6E+03	C
MALEIC ANHYDRIDE (2,5-FURANDIONE)	108-31-6	5.0E+01	a	7.8E+03	C
MALEIC HYDRAZIDE	122-33-1	5.0E+01	a	3.9E+04	C
MALONONITRILE	109-77-3	5.0E+01	a	1.6E+00	C
MANCOZEB (DITHANE M-45)	8018-01-7	5.0E+01	a	2.3E+03	C
MANEB	12427-38-2	1.8E+00	a	3.9E+02	C
MANGANESE, TOTAL	*1	3.0E+02	a, *2	1.1E+04	C
MCPA	94-74-6	4.4E-01	a	3.9E+01	C
MCPB	94-81-5	5.0E+00	a	8.6E+02	C
MCPP	93-65-2	5.0E+00	a	7.8E+01	C
MEPHOSFOLAN	950-10-7	5.0E+00	a	7.0E+00	C
MERCAPTOBENZOTHAZOLE	149-30-4	5.0E+01	d		
MERCURY, TOTAL	*1	2.0E+00	a	2.3E+01	C
METHACRYLIC ACID	79-41-4	5.0E+01	d		
METHACRYLONITRILE (2-METHYL-2-PROPENENITRILE)	126-98-7	5.0E+00	a	7.8E+01	C

**NYSDEC**  
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SUBSTANCE	CASNUM	Groundwater Action Level (ug/L)	R E F	Soil/ Sediment Action Level (mg/kg)	R E F
METHANOL	67-56-1	5.0E+01	a	3.9E+04	C
METHAPYRILENE	91-80-5	5.0E+01	d		
METHOMYL	16752-77-5	5.0E+01	a	2.0E+03	C
METHOXYCHLOR	72-43-5	3.5E+01	a	3.9E+02	C
2-METHOXYETHANOL	109-86-4	5.0E+01	a	7.8E+01	C
2-METHOXYETHANOL ACETATE	110-49-6	5.0E+01	a	1.6E+02	C
2-METHOXYETHYLBENZENE	3558-60-9	5.0E+01	d		
1-METHOXYETHYLBENZENE	4013-34-7	5.0E+01	d		
2-METHOXY-5-NITROANILINE	99-59-2	5.0E+00	a	1.4E+01	C
METHYL ACRYLATE	96-33-3	5.0E+01	a	2.3E+03	C
2-METHYLANILINE	100-61-8	5.0E+00	a	2.7E+00	C
2-METHYLANILINE HYDROCHLORIDE	636-21-5	5.0E+00	a	3.6E+00	C
METHYL CHLORIDE (CHLOROMETHANE)	74-87-3	5.0E+00	a	4.9E+01	C
3-METHYLCHOLANTHRENE	56-49-5	5.0E+01	a	6.8E-02	C
4,4'-METHYLENE-BIS-(2-CHLOROANILINE)	101-14-4	5.0E+00	a	4.9E+00	C
4,4'-METHYLENEBIS(N,N'-DIMETHYL)ANILINE	1807-55-2	5.0E+00	a	1.4E+01	C
METHYLENE BISTHIOCYANATE	6317-18-6	5.0E+01	d		
METHYLENE CHLORIDE (DICHLOROMETHANE)	75-09-2	5.0E+00	a	8.5E+01	C
4-(1-METHYLETHOXY)-1-BUTANOL	31600-69-8	5.0E+01	d		
2-METHYLETHYL-1,3-DIOXOLANE	126-39-6	5.0E+01	a		
METHYL ETHYL KETONE (2-BUTANONE)	78-93-3	5.0E+01	d	4.7E+04	C
METHYL IODIDE (Iodomethane)	74-88-4	5.0E+00	a		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	108-10-1	5.0E+01	d	6.3E+03	C
METHYL MERCURY	22967-92-6	5.0E+01	a	2.3E+01	C
METHYL METHACRYLATE	80-62-6	5.0E+01	a	6.3E+03	C
METHYL METHANESULFONATE	66-27-3	5.0E+01	a		
2-METHYLNAPHTHALENE	91-57-6	5.0E+01	a		
2-METHYL-5-NITROANILINE (5-NITRO-o-TOLUIDINE)	99-55-8	5.0E+00	a	1.9E+02	C
METHYL PARATHION	298-00-0	1.5E+00	a	2.0E+01	C
METHYL STYRENE	25013-15-4	5.0E+00	a	4.7E+02	C
MEVINPHOS (PHOSDRIN)	7786-34-7	5.0E+00	a		
MIREX	2385-85-5	5.0E+00	a	3.6E-01	C
MOLINATE	2212-67-1	5.0E+01	a	1.6E+02	C
MOLYBDENUM, TOTAL	*1	1.8E+02	e	3.9E+02	C
NAPHTHALENE	91-20-3	1.0E+01	d	3.1E+02	C
1,4-NAPHTHOQUINONE	130-15-4	5.0E+01	a		
1-NAPHTHYLAMINE (1-NAPHTHALENAMINE)	134-32-7	5.0E+00	a		
2-NAPHTHYLAMINE (2-NAPHTHALENAMINE)	91-59-8	5.0E+00	a		
NIACINAMIDE	98-92-0	5.0E+01	a		
NICKEL, TOTAL	*1	1.0E+02	b	1.6E+03	C
NITRALIN	4726-14-1	3.5E+01	a		
NITRATES (as N)	NA	1.0E+04	b	1.3E+05	C
NITRIC OXIDE	10102-43-9	3.5E+03	e	7.8E+03	C
NITRITE	NA	1.0E+03	b	7.8E+03	C
NITRILOTRIACETIC ACID	139-13-9	3.0E+00	d		

**NYSDEC  
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SUBSTANCE	CASNUM	Groundwater Action Level (ug/L)	REF	Soil/ Sediment Action Level (mg/kg)	REF
m-NITROANILINE (3-NITROBENZENAMINE)	99-09-2	5.0E+00	a		
o-NITROANILINE (2-NITROBENZENAMINE)	88-74-4	5.0E+00	a		
p-NITROANILINE (4-NITROBENZENAMINE)	100-01-6	5.0E+00	a		
NITROBENZENE	98-95-3	5.0E+00	a	3.9E+01	C
NITROFURANTOIN	67-20-9	5.0E+01	a	5.5E+03	C
NITROFUZZONE	59-87-0	5.0E+01	a	4.3E-01	C
NITROGEN DIOXIDE	10102-44-0	3.5E+04	e	7.8E+04	C
o-NITROPHENOL (2-NITROPHENOL)	88-75-5	*3	a		
p-NITROPHENOL (4-NITROPHENOL)	100-02-7	*3	a		
2-NITROPROPANE	79-46-9	5.0E+01	a	6.7E-02	C
4-NITROQUINOLINE 1-OXIDE	56-57-5	5.0E+01	a		
n-NITROSODI-n-BUTYLAMINE	924-16-3	5.0E+01	a	1.2E-01	C
n-NITROSODI-ETHANOLAMINE	1116-54-7	5.0E+01	a	2.3E-01	C
n-NITROSODIETHYLAMINE	55-18-5	5.0E+01	a	4.3E-03	C
n-NITROSODIMETHYLAMINE	62-75-9	5.0E+01	a	1.3E-02	C
n-NITROSODIPHENYLAMINE	86-30-6	5.0E+01	d	1.3E+02	C
n-NITROSO-n-DIPROPYLAMINE (DI-n-PROPYLNITROSAMINE)	621-64-7	5.0E+01	a	9.1E-02	C
n-NITROSOMETHYLETHYLAMINE	10595-95-6	5.0E+01	a	2.9E-02	C
n-NITROSO-n-METHYL UREA	684-93-5	5.0E+01	a	2.1E-02	C
n-NITROSOMORPHOLINE	59-89-2	5.0E+01	a		
n-NITROSOPIPERIDINE	100-75-4	5.0E+01	a		
n-NITROSOPYRROLIDINE	930-55-2	5.0E+01	a	3.0E-01	C
NITROTOLUENES, TOTAL	NA	5.0E+00	a	7.8E+02	C
OCTAMETHYLPYROPHOSPHORAMIDE	152-16-9	5.0E+00	a	1.6E+02	C
PARAQUAT	4685-14-7	3.0E+00	a	3.5E+02	C
PARATHION	56-38-2	1.5E+00	a	4.7E+02	C
PEBULATE	1114-71-2	5.0E+01	a	3.9E+03	C
PENDIMETHALIN	40487-42-1	5.0E+00	a	3.1E+03	C
PENTACHLOROENZENE	608-93-5	5.0E+00	a	6.3E+01	C
PENTACHLOROETHANE	76-01-7	5.0E+00	a		
PENTACHLORONITROBENZENE	82-68-8	ND	a	2.5E+00	C
PENTACHLOROPHENOL	87-86-5	*3	a	3.0E+00	C
PHENACETIN	62-44-2	5.0E+00	a		
PHENANTHRENE	85-01-8	5.0E+01	d		
PHENOL	108-95-2	*3	a	4.7E+04	C
PHENOLS, TOTAL	NA	*3 1.0E+00	a		
o-PHENYLENEDIAMINE (1,2-BENZENEDIAMINE)	95-45-5	5.0E+00	a	1.4E+01	C
m-PHENYLENEDIAMINE (1,3-BENZENEDIAMINE)	108-45-2	5.0E+00	a	4.7E+02	C
p-PHENYLENEDIAMINE (1,4-BENZENEDIAMINE)	106-50-3	5.0E+00	a		
PHENYL ETHER	101-84-8	1.0E+01	d		
PHENYL MERCURIC ACETATE	62-38-4	5.0E+01	a	6.3E+00	C
2-PHENYL PHENOL	90-43-7	*3	a	3.4E+02	C
PHENYLPROPANOLAMINE	14838-15-4	5.0E+01	d		
PHORATE	298-02-2	ND	a		
PHOSPHINE	7803-51-2	1.1E+01	e	2.3E+01	C

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PHTHALIC ANHYDRIDE	85-44-9	5.0E+01	a	1.6E+05	C
2-PICOLINE (2-METHYL PYRIDINE)	109-06-8	5.0E+01	a		
POLYBROMINATED BIPHENYLS (PBBs)	59536-65-1	5.0E+00	a	7.2E-02	C
POLYCHLORINATED BIPHENYLS (PCBs)	1336-36-3	1.0E-01	a	1.0E+00	i,j
POTASSIUM CYANIDE	151-50-8	1.8E+03	e	3.9E+03	C
POTASSIUM SILVER CYANIDE	506-61-6	7.0E+03	e	1.6E+04	C
PROFLURALIN	26399-36-0	5.0E+00	a	4.7E+02	C
PRONAMIDE	23950-58-5	5.0E+01	a	5.9E+03	C
PROPACHLOR	1918-16-7	3.5E+01	a	1.0E+03	C
PROPANIL	709-98-8	7.0E+00	a	3.9E+02	C
PROPAZINE	139-40-2	1.6E+01	a	1.6E+03	C
PROPIONITRILE (ETHYL CYANIDE)	107-12-0	5.0E+01	a		
PROPOXUR	114-26-1	5.0E+01	a	3.1E+02	C
n-PROPYLBENZENE	103-65-1	5.0E+00	a		
PROPYLENE GLYCOL (1,2-PROPANEDIOL)	57-55-6	5.0E+01	a	1.6E+06	C
PROPYLENE GLYCOL MONOETHYL ETHER	19089-47-5	5.0E+01	a	5.5E+04	C
PROPYLENE GLYCOL MONOMETHYL ETHER	1589-49-7	5.0E+01	a	5.5E+04	C
PROPYLENE OXIDE	75-56-9	5.0E+01	a	2.7E+00	C
PYRENE	129-00-0	2.0E-01	b	2.3E+03	C
PYRIDINE	110-86-1	5.0E+01	a	7.8E+01	C
QUINOLINE	91-22-5	5.0E+01	a	5.1E-02	C
RADIUM 226	NA	3 pCi/L	d		
RADIUM 226 PLUS RADIUM 228	NA	5 pCi/L	b		
RDX (CYCLONITE)	121-82-4	5.0E+01	a	5.8E+00	C
RESERPINE	50-55-5	5.0E+01	a	6.1E-02	C
RONNEL	299-84-3	5.0E+00	a	3.9E+03	C
ROTENONE	83-79-4	5.0E+01	a	3.1E+02	C
SAFROLE	94-59-7	5.0E+01	a		
SELENIOS ACID	7783-00-8	1.8E+02	a	3.9E+02	C
SELENIUM, TOTAL	*1	1.0E+01	a	3.9E+02	C
SELENOUREA	630-10-4	1.8E+02	e	3.9E+02	C
SILVER, TOTAL	*1	5.0E+01	a	3.9E+02	C
SILVER CYANIDE	506-64-9	3.5E+03	e	7.8E+03	C
SIMAZINE	122-34-9	4.00E+00	b	5.3E+00	C
SODIUM, TOTAL	*1	<20000	a		
SODIUM CYANIDE	143-33-9	1.4E+03	e	3.1E+03	C
SODIUM DIETHYLDITHIOCARBAMATE	148-18-5	5.0E+01	a	2.4E+00	C
SODIUM METAVANADATE	13718-26-8	3.5E+01	e	7.8E+01	C
STRONTIUM 90	NA	10pCi/L	d		
STRYCHNINE AND SALTS	57-24-9	5.0E+01	a	2.3E+01	C
STYRENE (ETHENYLBENZENE)	100-42-5	5.0E+00	a	2.1E+01	C
SULFATES	NA	2.5E+05	a		
SULFIDES (as H2S)	NA	5.0E+01	d		
TEMEPHOS	3383-96-8	5.0E+01	a	1.6E+03	C
TERBUFOS	13071-25-6	9.0E-02	d	7.8E+00	C

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SUBSTANCE	CASNUM	Groundwater Action Level (ug/L)	R E F	Soil/ Sediment Action Level (mg/kg)	R E F
1,2,4,5-TETRACHLORO BENZENE	95-94-3	5.0E+00	a	2.3E+01	C
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN (2,3,7,8-TCDD) *	1746-01-6	3.50E-05	a	4.1E-06	C
1,1,1,2-TETRACHLOROETHANE	630-20-6	5.0E+00	a	2.5E+01	C
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.0E+00	a	3.2E+00	C
TETRACHLOROETHYLENE (PERCHLOROETHYLENE)	127-18-4	5.0E+00	a	1.2E+01	C
2,3,4,6-TETRACHLOROPHENOL	58-90-2	*3	a	2.3E+03	C
p,alpha,alpha,alpha-TETRACHLOROTOLUENE	5216-25-1	5.0E+00	a	3.2E-02	C
TETRACHLORVINPHOS (STIROFOS)	961-11-5	5.0E+00	a	2.7E+01	C
TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	3689-24-5	5.0E+01	a	3.9E+01	C
TETRAETHYL LEAD	78-00-2	3.5E-03	e	7.8E-03	C
TETRAHYDROFURAN	109-99-9	5.0E+01	d		
THALLIC OXIDE	1314-32-5	3.5E+00	e	7.8E+00	C
THALLIUM, TOTAL	*1	2.0E+00	b	7.8E+00	C
THALLIUM ACETATE	563-68-8	3.2E+00	e	7.0E+00	C
THALLIUM CARBONATE	6533-73-9	2.8E+00	e	6.3E+00	C
THALLIUM CHLORIDE	7791-12-0	2.8E+00	e	6.3E+00	C
THALLIUM NITRATE	10102-45-1	3.2E+00	e	7.0E+00	C
THALLIUM SELENITE	12039-52-0	3.5E+00	e	7.8E+00	C
THALLIUM SULFATE	10031-59-1	3.5E+00	e	7.8E+00	C
THEOPHYLLINE	58-55-9	4.0E+01	d		
2-(THIOCYANOMETHYLTHIO)-BENZOTHAZOLE (TCMTB)	21564-17-0	5.0E+01	a	2.3E+03	C
THIOFANOX	39196-18-4	5.0E+01	a	2.3E+01	C
THIOUREA	62-56-6	5.0E+01	a	3.3E-01	C
THIRAM	137-26-8	1.8E+00	a	3.9E+02	C
TIN, TOTAL	7440-31-5	2.1E+04	e	1.6E+04	C
TOLUENE (METHYL BENZENE)	108-88-3	5.0E+00	a	1.6E+04	C
2,4-TOLUENEDIAMINE	95-80-7	5.0E+00	a	2.0E-01	C
2,5-TOLUENEDIAMINE	95-70-5	5.0E+00	a	4.7E+04	C
2,6-TOLUENEDIAMINE	823-40-5	5.0E+00	a	1.6E+04	C
TOLUENE DIISOCYANATE	584-84-9	5.0E+00	a		
o-TOLUIDINE (2-METHYL BENZENAMINE)	95-53-4	5.0E+00	a	2.7E+00	C
p-TOLUIDINE (4-METHYL BENZENAMINE)	106-49-0	5.0E+00	a	3.4E+00	C
TOLYLTRIAZOLE	29385-43-1	5.0E+01	d		
TOXAPHENE	8001-35-2	ND	a	5.8E-01	C
2,4,5-TP (SILVEX)	93-72-1	2.6E-01	a	6.3E+02	C
TRIALATE	2303-17-5	4.6E+02	e	1.0E+03	C
1,2,4-TRIBROMOBENZENE	NA	5.0E+00	a	3.9E+02	C
TRIBUTYLTIN OXIDE	56-35-9	5.0E+01	d	2.3E+00	C
2,4,6-TRICHLOROANILINE	634-93-5	5.0E+00	a	1.9E+01	C
2,4,6-TRICHLOROANILINE HYDROCHLORIDE	NA	5.0E+00	a	2.2E+01	C
1,2,3-TRICHLORO BENZENE	87-61-6	5.0E+00	a		
1,2,4-TRICHLORO BENZENE	120-82-1	5.0E+00	a	7.8E+02	C
1,1,1-TRICHLOROETHANE (METHYL CHLOROFORM)	71-55-6	5.0E+00	a	7.0E+03	C
1,1,2-TRICHLOROETHANE	79-00-5	5.0E+00	a	1.1E+01	C
TRICHLOROETHYLENE (TRICHLOROETHENE)	79-01-6	5.0E+00	b	5.8E+01	C

**NYSDEC  
Contained-In Action Levels**

Soil/Sediment "Contained-In" Criteria: cannot exceed ingestion action levels in media and media's leachate cannot adversely impact groundwater; see TAGM p. 13.

SUBSTANCE	CASNUM	Groundwater Action Level (ug/L)	REF	Soil/ Sediment Action Level (mg/kg)	REF
TRICHLOROFLUOROMETHANE (F-11)	75-69-4	5.0E+00	a	2.3E+04	C
2,4,5-TRICHLOROPHENOL	95-95-4	*3	a	7.8E+03	C
2,4,6-TRICHLOROPHENOL	88-06-2	*3	a	5.8E+01	C
2,4,5-TRICHLOROPHENOXY ACETIC ACID (2,4,5-T)	93-76-5	1.0E+01	b	7.8E+02	C
1,1,2-TRICHLOROPROPANE	598-77-6	5.0E+00	a	3.9E+02	C
1,2,3-TRICHLOROPROPANE	96-18-4	5.0E+00	a	4.7E+02	C
1,2,3-TRICHLOROPROPENE	96-19-5	5.0E+00	a	3.9E+02	C
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	5.0E+00	a	2.3E+05	C
o,o,o-TRIETHYL PHOSPHOROTHIOATE	126-68-1	5.0E+01	a		
TRIFLURALIN	1582-09-8	3.5E+01	a	8.3E+01	C
1,2,4-TRIMETHYLBENZENE	95-63-6	5.0E+00	a		
1,3,5-TRIMETHYLBENZENE	108-67-8	5.0E+00	a		
TRIMETHYL PHOSPHATE	512-56-1	5.0E+01	a	1.7E+01	C
2,4,6-TRIMETHYLPYRIDINE (2,4,6-COLLIDINE)	108-75-8	5.0E+01	d		
2,3,6-TRIMETHYLPYRIDINE	1462-84-6	5.0E+01	d		
sym-TRINITROBENZENE (1,3,5-TRINITROBENZENE)	99-35-4	5.0E+00	a	3.9E+00	C
2,4,6-TRINITROTOLUENE (TNT)	118-96-7	5.0E+00	a	3.9E+01	C
TRITHION (CARBOPHENOTHION)	786-19-6	5.0E+01	a		
TRIPHENYLPHOSPHATE	115-86-6	5.0E+01	d		
VANADIUM, TOTAL	*1	2.5E+02	e	5.5E+02	C
VANADIUM PENTOXIDE	1314-62-1	3.2E+02	e	7.0E+02	C
VANADYL SULFATE	27774-13-6	7.0E+02	e	1.6E+03	C
VERNOLATE	1929-77-7	3.5E+01	e	7.8E+01	C
VINYL ACETATE	108-05-4	5.0E+01	a	7.8E+04	C
VINYL CHLORIDE (CHLOROETHENE)	75-01-4	2.0E+00	b	3.4E-01	C
WARFARIN	81-81-2	5.0E+01	a	2.3E+01	C
XYLENE, TOTAL (DIMETHYL BENZENE)	1330-20-7	5.0E+00	a	1.6E+05	C
m-XYLENE (3-DIMETHYL BENZENE)	108-38-3	5.0E+00	a	1.6E+05	C
o-XYLENE (2-DIMETHYL BENZENE)	95-47-6	5.0E+00	a	1.6E+05	C
p-XYLENE (4-DIMETHYL BENZENE)	106-42-3	5.0E+00	a		
ZINC, TOTAL	*1	3.0E+02	e	2.3E+04	C
ZINC CYANIDE	557-21-1	1.8E+03	e	3.9E+03	C
ZINC PHOSPHIDE	1314-84-7	1.1E+01	e	2.3E+00	C
ZINEB	12122-67-7	1.8E+00	a	3.9E+03	C
ZIRAM	137-30-4	4.2E+00	a		

### Footnotes

- \*1 All species in the groundwater and/or soil that contain this element are included in the total.
- \*2 Total concentration of iron and manganese should not exceed 500 µg/l.
- \*3 All phenolic compounds (total phenols) shall not exceed 1 µg/L [NY TOGS (1.1.1)].
- \*4 Total concentration of these four trihalomethanes shall not exceed 100 µg/l.
- NA Not Available
- ND Not Detectable by tests or analytical determinations. The groundwater protection concentration should be written as non-detectable (ND) with a footnote specifying the method detection limit (MDL) for the most sensitive analytical technique (e.g., benzene ND by USEPA Method 602 or 8020 with an MDL = 0.2 ug/l).

### References

- a) Taken from 6 NYCRR Part 703.5(a)(3) Class **GA** groundwater quality standards (June 1998).
- b) Taken from USEPA MCLs (February 1996).
- c) Based on Integrated Risk Information System (IRIS), USEPA Health Effects Assessment Summary (HEASTs) Data (May 1995) and oral ingestion equation.
- d) 6NYCRR Part 703 **GA** Standard or USEPA MCL does not exist for this constituent, Guidance value from NYSDEC Division of Water Technical and Operational Guidance Series(TOGS) 1.1.1 was used since either no HEASTS data is available or if available, it was less conservative than TOGS guidance value.
- e) 6NYCRR Part 703 **GA** Standard or USEPA MCL does not exist for this constituent, a Health based value from USEPA HEASTs data was used since it was more conservative than the guidance value in TOGS.
- f) Guidance value taken from NYS TOGS 1.1.1 for total chlorinated dibenzo-p-dioxins and chlorinated dibenzofurans is 0.0000002 µg/L equivalents of 2,3,7,8-tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD). The 2,3,7,8-TCDD equivalent for a congener is obtained by multiplying the concentration of that congener by its toxicity equivalence factor (TEF) from the table below. The guidance value for Class **GA** waters does not include the congener 2,3,7,8-TCDD.

A guidance value for an individual congener value can be calculated by dividing 0.0000002 µg/L by the TEF for that congener.

0.000035 µg/L applies only to 2,3,7,8-TCDD

<u>Congener</u>	<u>TEF</u>
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	1
Other tetrachlorodibenzo-p-dioxins	0.01
2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0.5
Other pentachlorodibenzo-p-dioxins	0.005
2,3,7,8-HEXACHLORODIBENZO-p-DIOXINS	0.05
Other hexachlorodibenzo-p-dioxins	0.0005
2,3,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0.005
Other heptachlorodibenzo-p-dioxins	0.00005
OCTACHLORODIBENZO-p-DIOXIN	0.005
2,3,7,8-TETRACHLORODIBENZOFURAN	0.1
Other tetrachlorodibenzofurans	0.001
2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.5
1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.05
Other pentachlorodibenzofurans	0.005
2,3,7,8-HEXACHLORODIBENZOFURAN	0.1
Other hexachlorodibenzofurans	0.001
2,3,7,8-HEPTACHLORODIBENZOFURAN	0.005
Other heptachlorodibenzofurans	0.00005
OCTACHLORODIBENZOFURAN	0.005

- g) Refer to footnotes in the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1.
- h) This is USEPA's recommendation based on their Intergrated Exposure Uptake Biokinetic (IEUBK) Model in assessing total lead exposure children (U.S.EPA July 14,1994).
- i) USEPA Guidance on Remdiation Action for Superfund Sites with PCB contamination (U.S.EPA, 1990).
- j) Do not manage as hazardous waste if less than 50 ppm.