



**Changes in Part 201 Cleanup Criteria and Screening Levels  
December 30, 2013 Promulgated Criteria Tables Compared to September 28, 2012 Published Criteria Tables**

(All values are presented in units of parts per billion; see R 299.49 for footnote description)

Hazardous Substance	CAS Number	Exposure Pathway	9/28/12 Criterion	12/30/13 Criterion
Acetone	67641	Res SVIIC	1.1E+8 (C)	2.9E+8 (C)
		Nonres SVIIC	1.1E+8 (C)	5.4E+8 (C)
Acetophenone	98862	Res SVIIC	1.1E+6 (C)	1.2E+8 (C)
		Nonres SVIIC	1.1E+6 (C)	2.1E+8 (C)
		Res DCC	1.1E+6 (C)	4.7E+7 (C)
		Nonres DCC	1.1E+6 (C)	1.5E+8 (C)
Acrylic acid	79107	Nonres DCC	1.1E+8 (C,DD)	2.1E+8 (C,DD)
Asbestos	1332214	Res DWC	7.0E+6 f/ml (A)	7.0 MFL (A)
		Nonres DWC	7.0E+6 f/ml (A)	7.0 MFL (A)
t-Amyl methyl ether	994058	Res DCC	4.4E+5 (C)	2.9E+7 (C)
		Nonres DCC	4.4E+5 (C)	9.5E+7 (C)
Benzene	71432	Nonres DCC	4.0E+5 (C)	8.4E+5 (C)
Benzyl alcohol	100516	Res DCC	5.8E+6 (C)	3.2E+8 (C)
		Nonres DCC	5.8E+6 (C)	1.0E+9 (C,D)
bis(2-Ethylhexyl)phthalate	117817	Nonres DCC	1.0E+7 (C)	1.2E+7 (C)
n-Butanol	71363	Res DCC	8.7E+6 (C)	2.9E+7 (C)
		Nonres DCC	8.7E+6 (C)	9.5E+7 (C)
Bromobenzene	108861	Nonres DCC	7.6E+5 (C)	1.7E+6 (C)
Bromoform	75252	Nonres DCC	8.7E+5 (C)	3.8E+6 (C)
2-Butanone	78933	Res SVIIC	2.7E+7 (C)	5.4E+7 (C)
		Nonres SVIIC	2.7E+7 (C)	9.9E+7 (C)
		Res DCC	2.7E+7 (C,DD)	1.2E+8 (C,DD)
		Nonres DCC	2.7E+7 (C,DD)	7.0E+8 (C,DD)



Hazardous Substance	CAS Number	Exposure Pathway	9/28/12 Criterion	12/30/13 Criterion
n-Butyl acetate	123864	Res SVIIC	1.1E+6 (C)	5.6E+7 (C)
		Nonres SVIIC	1.1E+6 (C)	1.0E+8 (C)
		Res DCC	1.1E+6 (C)	1.7E+7 (C)
		Nonres DCC	1.1E+6 (C)	5.5E+7 (C)
t-Butyl alcohol	75650	Res SVIIC	1.1E+8 (C)	3.1E+8 (C)
		Nonres SVIIC	1.1E+8 (C)	5.8E+8 (C)
		Res DCC	1.1E+8 (C)	1.2E+8 (C)
		Nonres DCC	1.1E+8 (C)	3.9E+8 (C)
Butyl benzyl phthalate	85687	Res DWPC	3.1E+5 (C)	2.2E+6 (C)
		Nonres DWPC	3.1E+5 (C)	5.0E+6 (C)
		Res DCC	3.1E+5 (C)	3.6E+7 (C)
		Nonres DCC	3.1E+5 (C)	1.2E+8 (C)
Carbon disulfide	75150	Res DCC	2.8E+5 (C,DD)	7.2E+6 (C,DD)
		Nonres DCC	2.8E+5 (C,DD)	4.3E+7 (C,DD)
Carbon tetrachloride	56235	Nonres DCC	3.9E+5 (C)	4.4E+5 (C)
Chlorobenzene	108907	Res DCC	2.6E+5 (C)	4.3E+6 (C)
		Nonres DCC	2.6E+5 (C)	1.4E+7 (C)
1-Chloro-1,1-difluoroethane	75683	Res SVIIC	9.6E+5 (C)	2.9E+6 (C)
		Nonres SVIIC	9.6E+5 (C)	5.4E+6 (C)
		Res DCC	9.6E+5 (C)	4.7E+8 (C)
		Nonres DCC	9.6E+5 (C)	1.0E+9 (C,D)
Chloroethane	75003	Res SVIIC	9.5E+5 (C)	2.9E+6 (C)
		Nonres SVIIC	9.5E+5 (C)	5.3E+6 (C)
		Res DCC	9.5E+5 (C)	2.6E+6 (C)
		Nonres DCC	9.5E+5 (C)	1.2E+7 (C)
Chloroform	67663	Nonres DCC	1.5E+6 (C)	5.5E+6 (C)
Chloromethane	74873	Res DCC	1.1E+6 (C)	1.6E+6 (C)
		Nonres DCC	1.1E+6 (C)	7.4E+6 (C)



Hazardous Substance	CAS Number	Exposure Pathway	9/28/12 Criterion	12/30/13 Criterion
o-Chlorotoluene	95498	Res DCC	5.0E+5 (C)	4.5E+6 (C)
		Nonres SVIIC	5.0E+5 (C)	5.0E+5
		Nonres DCC	5.0E+5 (C)	1.5E+7 (C)
Cyclohexanone	108941	Res DCC	2.2E+8 (C)	1.0E+9 (C,D)
		Nonres DCC	2.2E+8 (C)	1.0E+9 (C,D)
Dalapon	75990	Nonres DCC	5.9E+7 (C)	6.2E+7 (C)
Di-n-butyl phthalate	84742	Res DWPC	7.6E+5 (C)	9.6E+5 (C)
		Nonres DWPC	7.6E+5 (C)	2.7E+6 (C)
		Res DCC	7.6E+5 (C)	2.7E+7 (C)
		Nonres DCC	7.6E+5 (C)	8.7E+7 (C)
Di(2-ethylhexyl) adipate	103231	Res DWPC	9.6E+5 (C)	1.3E+7 (C)
		Nonres DWPC	9.6E+5 (C)	1.3E+7 (C)
		Res DCC	9.6E+5 (C,DD)	1.5E+7 (C,DD)
		Nonres DCC	9.6E+5 (C,DD)	6.3E+7 (C,DD)
Di-n-octyl phthalate	117840	Nonres DWPC	1.4E+8 (C)	2.9E+8 (C)
Dibromochloropropane	96128	Res DCC	1,200 (C)	4,400 (C)
		Nonres SVIIC	1,200 (C)	1,200
		Nonres DCC	1,200 (C)	20,000 (C)
Dibromomethane	74953	Res DCC	2.0E+6 (C)	2.5E+6 (C)
		Nonres DCC	2.0E+6 (C)	8.0E+6 (C)
1,2-Dichlorobenzene	95501	Res SVIIC	2.1E+5 (C)	1.1E+7 (C)
		Nonres SVIIC	2.1E+5 (C)	2.0E+7 (C)
		Res DCC	2.1E+5 (C)	1.9E+7 (C)
		Nonres DCC	2.1E+5 (C)	6.3E+7 (C)
1,3-Dichlorobenzene	541731	Res DCC	1.7E+5 (C)	2.0E+5 (C)
		Nonres DCC	1.7E+5 (C)	6.6E+5 (C)
Dichlorodifluoromethane	75718	Res DCC	1.0E+6 (C)	5.2E+7 (C)
		Nonres DCC	1.0E+6 (C)	1.7E+8 (C)
1,1-Dichloroethane	75343	Res DCC	8.9E+5 (C)	2.7E+7 (C)
		Nonres DCC	8.9E+5 (C)	8.7E+7 (C)



Hazardous Substance	CAS Number	Exposure Pathway	9/28/12 Criterion	12/30/13 Criterion
1,1-Dichloroethylene	75354	Nonres DCC	5.7E+5 (C)	6.6E+5 (C)
cis-1,2-Dichloroethylene	156592	Res DCC	6.4E+5 (C)	2.5E+6 (C)
		Nonres DCC	6.4E+5 (C)	8.0E+6 (C)
trans-1,2-Dichloroethylene	156605	Res DCC	1.4E+6 (C)	3.8E+6 (C)
		Nonres DCC	1.4E+6 (C)	1.2E+7 (C)
2,4-Dichlorophenol	120832	Nonres DCC	1.8E+6 (C,DD)	3.9E+6 (C,DD)
1,2-Dichloropropane	78875	Nonres DCC	5.5E+5 (C)	6.6E+5 (C)
Diethyl ether	60297	Res SVIIC	7.4E+6 (C)	2.8E+7 (C)
		Nonres SVIIC	7.4E+6 (C)	5.2E+7 (C)
		Res DCC	7.4E+6 (C)	1.1E+8 (C)
		Nonres DCC	7.4E+6 (C)	3.6E+8 (C)
Diethyl phthalate	84662	Res DCC	7.4E+5 (C)	1.7E+8 (C)
		Nonres DCC	7.4E+5 (C)	5.5E+8 (C)
Diisopropyl ether	108203	Nonres DWPC	1,300 (C)	1,700 (C)
		Res SVIIC	1,300 (C)	6.7E+5 (C)
		Nonres SVIIC	1,300 (C)	1.2E+6 (C)
		Res DCC	1,300 (C)	9.2E+5 (C)
		Nonres DCC	1,300 (C)	3.0E+6 (C)
Diisopropylamine	108189	Nonres SVIIC	6.7E+6 (C)	1.0E+7 (C)
Dimethyl phthalate	131113	Res DWPC	7.9E+5 (C)	1.5E+6 (C)
		Nonres DWPC	7.9E+5 (C)	4.2E+6 (C)
		Res DCC	7.9E+5 (C)	1.0E+9 (C,D)
		Nonres DCC	7.9E+5 (C)	1.0E+9 (C,D)
N,N-Dimethylaniline	121697	Nonres SVIIC	8.0E+5 (C)	8.9E+5 (C)
		Nonres DCC	8.0E+5 (C)	1.6E+6 (C)
Dimethylsulfoxide	67685	Res DCC	1.8E+7 (C)	1.0E+9 (C,D)
		Nonres DCC	1.8E+7 (C)	1.0E+9 (C,D)
Dinoseb	88857	Nonres DCC	1.4E+5 (C,DD)	3.9E+5 (C,DD)
Ethanol	64175	Res DCC	1.1E+8 (C,DD)	1.0E+9 (C,D,DD)
		Nonres DCC	1.1E+8 (C,DD)	1.0E+9 (C,D,DD)



Hazardous Substance	CAS Number	Exposure Pathway	9/28/12 Criterion	12/30/13 Criterion
Ethyl acetate	141786	Res SVIIC	7.5E+6 (C)	3.8E+7 (C)
		Nonres SVIIC	7.5E+6 (C)	7.0E+7 (C)
		Res DCC	7.5E+6 (C)	2.0E+8 (C)
		Nonres DCC	7.5E+6 (C)	6.6E+8 (C)
Ethyl-tert-butyl ether	637923	Nonres SVIIC	6.5E+5 (C)	1.7E+6 (C)
Ethylbenzene	100414	Res DCC	1.4E+5 (C)	2.2E+7 (C)
		Nonres SVIIC	1.4E+5 (C)	4.6E+5 (C)
		Nonres DCC	1.4E+5 (C)	7.1E+7 (C)
Ethylene glycol	107211	Res DCC	1.1E+8 (C)	4.5E+8 (C)
		Nonres DCC	1.1E+8 (C)	1.0E+9 (C,D)
Ethylene glycol monobutyl ether	111762	Res DCC	4.1E+7 (C)	1.1E+8 (C)
		Nonres DCC	4.1E+7 (C)	3.6E+8 (C)
Formaldehyde	50000	Nonres DCC	6.0E+7 (C)	1.3E+8 (C)
Formic acid	64186	Res DCC	1.1E+8 (C)	3.2E+8 (C)
		Nonres DCC	1.1E+8 (C)	1.0E+9 (C,D)
n-Heptane	142825	Res DWPC	2.4E+5 (C)	4.6E+7 (C)
		Nonres DWPC	2.4E+5 (C)	1.3E+8 (C)
		Res SVIIC	2.4E+5 (C)	1.5E+6 (C)
		Nonres SVIIC	2.4E+5 (C)	2.7E+6 (C)
		Res DCC	2.4E+5 (C)	9.9E+8 (C)
		Nonres DCC	2.4E+5 (C)	1.0E+9 (C,D)
Hexachlorobutadiene	87683	Nonres SVIIC	3.5E+5 (C)	7.1E+5 (C)
		Nonres DCC	3.5E+5 (C)	4.7E+5 (C)
Hexachlorocyclopentadiene	77474	Res DCC	7.2E+5 (C)	2.3E+6 (C)
		Nonres DCC	7.2E+5 (C)	6.7E+6 (C)



Hazardous Substance	CAS Number	Exposure Pathway	9/28/12 Criterion	12/30/13 Criterion
n-Hexane	110543	Res DWPC	44,000 (C)	1.8E+5 (C)
		Nonres DWPC	44,000 (C)	5.1E+5 (C)
		Res SVIIC	44,000 (C)	5.1E+5 (C)
		Nonres SVIIC	44,000 (C)	9.5E+5 (C)
		Res DCC	44,000 (C)	9.2E+7 (C)
		Nonres DCC	44,000 (C)	3.0E+8 (C)
2-Hexanone	591786	Res DCC	2.5E+6 (C)	3.2E+7 (C)
		Nonres DCC	2.5E+6 (C)	1.0E+8 (C)
Isobutyl alcohol	78831	Res SVIIC	8.9E+6 (C)	2.3E+8 (C)
		Nonres SVIIC	8.9E+6 (C)	4.3E+8 (C)
		Res DCC	8.9E+6 (C)	7.2E+7 (C)
		Nonres DCC	8.9E+6 (C)	2.3E+8 (C)
Isophorone	78591	Res DCC	2.4E+6 (C)	4.8E+6 (C)
		Nonres DCC	2.4E+6 (C)	2.2E+7 (C)
Isopropyl benzene	98828	Res SVIIC	3.9E+5 (C)	4.0E+5 (C)
		Nonres SVIIC	3.9E+5 (C)	7.3E+5 (C)
		Res DCC	3.9E+5 (C)	2.5E+7 (C)
		Nonres DCC	3.9E+5 (C)	8.0E+7 (C)
Methane	74828	FESL	520	(AA)
Methanol	67561	GSIPC	3.1E+6 (C)	1.2E+7 (C)
		Res SVIIC	3.1E+6 (C)	3.7E+7 (C)
		Nonres SVIIC	3.1E+6 (C)	6.7E+7 (C)
		Res DCC	3.1E+6 (C)	1.1E+8 (C)
		Nonres DCC	3.1E+6 (C)	3.6E+8 (C)
4-Methyl-2-pentanone	108101	Res SVIIC	2.7E+6 (C)	3.7E+7 (C)
		Nonres SVIIC	2.7E+6 (C)	6.9E+7 (C)
		Res DCC	2.7E+6 (C)	5.6E+7 (C)
		Nonres DCC	2.7E+6 (C)	1.8E+8 (C)



Hazardous Substance	CAS Number	Exposure Pathway	9/28/12 Criterion	12/30/13 Criterion
Methy-tert-butyl-ether	1634044	Res SVIIC	5.9E+6 (C)	9.9E+6 (C)
		Nonres SVIIC	5.9E+6 (C)	1.8E+7 (C)
		Nonres DCC	5.9E+6 (C)	7.1E+6 (C)
Methylene chloride	75092	Nonres DCC	2.3E+6 (C)	5.8E+6 (C)
Metolachlor	51218452	Res DCC	4.4E+5 (C,DD)	1.5E+6 (C,DD)
		Nonres DCC	4.4E+5 (C,DD)	6.9E+6 (C,DD)
Pentachlorobenzene	608935	Res DCC	1.9E+5 (C)	3.2E+5 (C)
		Nonres DCC	1.9E+5 (C)	9.3E+5 (C)
Pentane	109660	Res SVIIC	2.4E+5 (C)	9.7E+5 (C)
Phenol	108952	Res DCC	1.2E+7 (C,DD)	4.0E+7 (C,DD)
		Nonres DCC	1.2E+7 (C,DD)	2.3E+8 (C,DD)
Phthalic acid	88993	Res DCC	1.7E+6 (C)	4.3E+8 (C)
		Nonres DCC	1.7E+6 (C)	1.0E+9 (C,D)
Phthalic anhydride	85449	Res DCC	1.1E+6 (C)	4.7E+8 (C)
		Nonres DCC	1.1E+6 (C)	1.0E+9 (C,D)
Propionic acid	79094	Res DCC	1.1E+8 (C)	3.8E+8 (C)
		Nonres DCC	1.1E+8 (C)	1.0E+9 (C,D)
Propylene glycol	57556	Res DCC	1.1E+8 (C)	1.0E+9 (C,D)
		Nonres DCC	1.1E+8 (C)	1.0E+9 (C,D)
Pyridine	110861	Res DCC	37,000 (C)	2.3E+5 (C)
		Nonres DCC	37,000 (C)	7.3E+5 (C)
Sodium	17341252	Res DWC	1.2E+5	2.3E+5 (HH)
		Res DWPC	2.5E+6	4.6E+6
Styrene	100425	Nonres SVIIC	5.2E+5 (C)	1.3E+6 (C)
		Nonres DCC	5.2E+5 (C)	1.9E+6 (C)
1,1,1,2-Tetrachloroethane	630206	Res DCC	4.4E+5 (C)	4.8E+5 (C)
		Nonres DCC	4.4E+5 (C)	2.2E+6 (C)
Tetrachloroethylene	127184	Res DCC	88,000 (C)	2.0E+5 (C)
		Nonres DCC	88,000 (C)	9.3E+5 (C)



Hazardous Substance	CAS Number	Exposure Pathway	9/28/12 Criterion	12/30/13 Criterion
Toluene	108883	Res SVIIC	2.5E+5 (C)	3.3E+5 (C)
		Nonres SVIIC	2.5E+5 (C)	6.1E+5 (C)
		Res DCC	2.5E+5 (C)	5.0E+7 (C)
		Nonres DCC	2.5E+5 (C)	1.6E+8 (C)
Triallate	2303175	Nonres DWPC	2.5E+5 (C)	2.7E+5 (C)
		Res DCC	2.5E+5 (C)	2.9E+6 (C)
		Nonres DCC	2.5E+5 (C)	9.5E+6 (C)
1,2,4-Trichlorobenzene	120821	Res SVIIC	1.1E+6 (C)	9.6E+6 (C)
		Nonres SVIIC	1.1E+6 (C)	1.8E+7 (C)
		Nonres DCC	1.1E+6 (C,DD)	5.8E+6 (C,DD)
1,1,1-Trichlorethane	71556	Res DCC	4.6E+5 (C)	5.0E+8 (C)
		Nonres DCC	4.6E+5 (C)	1.0E+9 (C,D)
Trichloroethylene	79016	Nonres DCC	5.0E+5 (C,DD)	6.6E+5 (C,DD)
Trichlorofluoromethane	75694	Res SVIIC	5.6E+5 (C)	2.8E+6 (C)
		Nonres SVIIC	5.6E+5 (C)	5.1E+6 (C)
		Res DCC	5.6E+5 (C)	7.9E+7 (C)
		Nonres DCC	5.6E+5 (C)	2.6E+8 (C)
1,2,3-Trichloropropane	96184	Res DCC	8.3E+5 (C)	1.3E+6 (C)
		Nonres DCC	8.3E+5 (C)	4.2E+6 (C)
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	Res DWPC	5.5E+5 (C)	9.0E+6 (C)
		Nonres DWPC	5.5E+5 (C)	9.0E+6 (C)
		Res SVIIC	5.5E+5 (C)	5.1E+6 (C)
		Nonres SVIIC	5.5E+5 (C)	9.3E+6 (C)
		Res DCC	5.5E+5 (C)	1.0E+9 (C,D)
		Nonres DCC	5.5E+5 (C)	1.0E+9 (C,D)
Triethanolamine	102716	Nonres DCC	1.1E+8 (C)	3.6E+8 (C)
Triethylene glycol	112276	Res DWPC	1.1E+5 (C)	86,000
		Nonres DWPC	1.1E+5 (C)	2.4E+5 (C)
		Res DCC	1.1E+5 (C,DD)	3.9E+7 (C,DD)
		Nonres DCC	1.1E+5 (C,DD)	2.3E+8 (C,DD)





Hazardous Substance	CAS Number	Exposure Pathway	9/28/12 Criterion	12/30/13 Criterion
2,2,4-Trimethyl pentane	540841	Res SVIIC	19,000 (C)	1.1E+5 (C)
		Nonres SVIIC	19,000 (C)	2.0E+5 (C)
1,2,4-Trimethylbenzene	95636	Res SVIIC	1.1E+5 (C)	4.3E+6 (C)
		Nonres SVIIC	1.1E+5 (C)	8.0E+6 (C)
		Res DCC	1.1E+5 (C)	3.2E+7 (C)
		Nonres DCC	1.1E+5 (C)	1.0E+8 (C)
1,3,5-Trimethylbenzene	108678	Res SVIIC	94,000 (C)	2.6E+6 (C)
		Nonres SVIIC	94,000 (C)	4.8E+6 (C)
		Res DCC	94,000 (C)	3.2E+7 (C)
		Nonres DCC	94,000 (C)	1.0E+8 (C)
Triphenyl phosphate	115866	Res DWPC	1.1E+5 (C)	1.5E+6 (C)
		Nonres DWPC	1.1E+5 (C)	1.8E+6 (C)
		Res DCC	1.1E+5 (C)	3.6E+7 (C)
		Nonres DCC	1.1E+5 (C)	1.2E+8 (C)
tris(2,3-Dibromopropyl)phosphate	126727	Res SVIIC	27,000 (C)	82,000 (C)
		Nonres SVIIC	27,000 (C)	4.3E+5 (C)
Vinyl acetate	108054	Res DCC	2.4E+6 (C,DD)	5.8E+6 (C,DD)
		Nonres DCC	2.4E+6 (C,DD)	3.4E+7 (C,DD)
Xylenes	1330207	Res SVIIC	1.5E+5 (C)	6.3E+6 (C)
		Nonres SVIIC	1.5E+5 (C)	1.2E+7 (C)
		Res DCC	1.5E+5 (C)	4.1E+8 (C)
		Nonres DCC	1.5E+5 (C)	1.0E+9 (C,D)

- Most of the changes are the result of presenting the risk-based value instead of defaulting to the Csat value for the (C) footnoted criteria.
- The Groundwater Contact Criteria, the Soil Criteria Protective of Groundwater Contact, and the Acute Inhalation Screening Levels have been eliminated.

DCC = Direct Contact Criteria  
 DWC = Drinking Water Criteria  
 DWPC = Drinking Water Protection Criteria  
 FESL = Flammability/Explosivity Screening Level  
 GSIPC = Groundwater Surface Water Interface Protection Criteria

MFL = million fibers per liter  
 Nonres = Nonresidential  
 Res = Residential  
 SVIIC = Soil Volatilization to Indoor Air Inhalation Criteria