

Comparison of 2013 and 2021 Rapid Action Levels

Chemical	CAS No.	Residential Rapid Action Levels		Nonresidential Rapid Action Levels	
		2013	2021	2013	2021
		$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
Acetone (2-propanone)	67-64-1	64,000	-	280,000	-
Benzene	71-43-2	30	36	200	160
Bromodichloromethane	75-27-4	7	-	30	-
Bromoethene (vinyl bromide)	593-60-2	6	-	26	-
Bromoform	75-25-2	200	-	1,100	-
Bromomethane (methyl bromide)	74-83-9	10	10	44	44
1,3-Butadiene	106-99-0	4	-	18	-
2-Butanone (methyl ethyl ketone)	78-93-3	10,000	10,000	44,000	44,000
Carbon disulfide	75-15-0	1,500	1,500	6,200	6,200
Carbon tetrachloride	56-23-5	40	47	200	200
Chlorobenzene	108-90-7	100	100	440	440
Chloroethane (ethyl chloride)	75-00-3	20,000	20,000	88,000	88,000
Chloroform	67-66-3	10	200	50	860
Chloromethane (methyl chloride)	74-87-3	190	190	780	780
3-Chloropropene (allyl chloride)	107-05-1	2	-	8	-
Cyclohexane	110-82-7	13,000	13,000	52,000	52,000
Dibromochloromethane	124-48-1	9	-	50	-
1,2-Dibromoethane (ethylene dibromide)	106-93-4	4	1.5	4	2.0
1,2-Dichlorobenzene (o)	95-50-1	420	420	1,800	1,800
1,4-Dichlorobenzene (p)	106-46-7	20	1,700	100	7,000
Dichlorodifluoromethane (Freon 12)	75-71-8	200	-	880	-
1,1-Dichloroethane	75-34-3	200	-	800	-
1,2-Dichloroethane	107-06-2	9	15	50	62
1,1-Dichloroethene	75-35-4	420	42	1,800	180
1,2-Dichloroethene (trans)	156-60-5	130	-	520	-
1,2-Dichloropropane	78-87-5	8	8.4	36	36
1,3-Dichloropropene (total)	542-75-6	42	42	180	180
1,4-Dioxane	123-91-1	-	56	-	250
Ethylbenzene	100-41-4	100	110	500	490
Hexachlorobutadiene	87-68-3	10	-	60	-
n-Hexane	110-54-3	1,500	1,500	6,200	6,200
Mercury, elemental	7439-97-6	1	1.0	2	2.6
Methylene chloride (dichloromethane)	75-09-2	1,300	1,300	5,200	5,200
4-Methyl-2-pentanone (MIBK)	108-10-1	6,200	6,200	26,000	26,000
Methyl tert-butyl ether (MTBE)	1634-04-4	900	1,100	4,700	4,700
Naphthalene	91-20-3	6	6.2	26	26
Styrene	100-42-5	2,000	2,000	8,800	8,800
1,1,2,2-Tetrachloroethane	79-34-5	4	-	20	-
Tetrachloroethene (PCE)	127-18-4	84	84	360	360
Toluene	108-88-3	10,000	10,000	44,000	44,000
1,2,4-Trichlorobenzene	120-82-1	4	4.2	18	18
1,1,1-Trichloroethane	71-55-6	10,000	10,000	44,000	44,000
1,1,2-Trichloroethane	79-00-5	3	-	3	-
Trichloroethene (TCE)	79-01-6	4	4.2	18	18
Trichlorofluoromethane (Freon 11)	75-69-4	1,500	-	6,200	-
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	62,000	10,000	260,000	44,000
1,2,4-Trimethylbenzene	95-63-6	-	130	-	520
Vinyl chloride	75-01-4	20	64	300	280
Xylenes (total)	1330-20-7	200	200	880	880

Residential RAL	
RAL Increasing	12
RAL Decreasing	3
RAL the Same	18
RAL Added	2
RAL Removed	14

Nonresidential RAL	
RAL Increasing	4
RAL Decreasing	6
RAL the Same	23
RAL Added	2
RAL Removed	14

NOTES

"-" Not applicable because appropriate toxicological information is not available to derive a health-based value or chemical is not on the USEPA Target Compound List.