

Comparison of 2013 and 2021 Soil Gas Screening Levels

Chemical	CAS No.	Residential Soil Gas Screening Levels		Nonresidential Soil Gas Screening 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	1,600,000	-	6,800,000	-
Benzene	71-43-2	16	18	79	79
Bromodichloromethane	75-27-4	34	-	34	-
Bromoethene (vinyl bromide)	593-60-2	22	-	22	-
Bromoform	75-25-2	110	-	560	-
Bromomethane (methyl bromide)	74-83-9	260	260	1,100	1,100
1,3-Butadiene	106-99-0	11	-	20	-
2-Butanone (methyl ethyl ketone)	78-93-3	260,000	260,000	1,100,000	1,100,000
Carbon disulfide	75-15-0	36,000	36,000	150,000	150,000
Carbon tetrachloride	56-23-5	31	23	100	100
Chlorobenzene	108-90-7	2,600	2,600	11,000	11,000
Chloroethane (ethyl chloride)	75-00-3	520,000	520,000	2,200,000	2,200,000
Chloroform	67-66-3	24	5,100	27	21,000
Chloromethane (methyl chloride)	74-87-3	4,700	4,700	20,000	20,000
3-Chloropropene (allyl chloride)	107-05-1	20	-	100	-
Cyclohexane	110-82-7	310,000	310,000	1,300,000	1,300,000
Dibromochloromethane	124-48-1	43	-	43	-
1,2-Dibromoethane (ethylene dibromide)	106-93-4	38	15	38	15
1,2-Dichlorobenzene (o)	95-50-1	10,000	10,000	44,000	44,000
1,4-Dichlorobenzene (p)	106-46-7	30	42,000	56	180,000
Dichlorodifluoromethane (Freon 12)	75-71-8	5,200	-	22,000	-
1,1-Dichloroethane	75-34-3	76	-	380	-
1,2-Dichloroethane	107-06-2	20	360	24	1,500
1,1-Dichloroethene	75-35-4	10,000	1,000	44,000	4,400
1,2-Dichloroethene (trans)	156-60-5	3,100	-	13,000	-
1,2-Dichloropropane	78-87-5	23	38	61	170
1,3-Dichloropropene (total)	542-75-6	30	35	150	150
1,4-Dioxane	123-91-1	-	28	-	120
Ethylbenzene	100-41-4	49	56	250	250
Hexachlorobutadiene	87-68-3	53	-	53	-
n-Hexane	110-54-3	36,000	36,000	150,000	150,000
Mercury, elemental	7439-97-6	-	-	-	-
Methylene chloride (dichloromethane)	75-09-2	4,800	14,000	61,000	61,000
4-Methyl-2-pentanone (MIBK)	108-10-1	160,000	160,000	660,000	660,000
Methyl tert-butyl ether (MTBE)	1634-04-4	470	540	2,400	2,400
Naphthalene	91-20-3	26	26	26	26
Styrene	100-42-5	52,000	52,000	220,000	220,000
1,1,2,2-Tetrachloroethane	79-34-5	34	-	34	-
Tetrachloroethene (PCE)	127-18-4	470	540	2,400	2,400
Toluene	108-88-3	260,000	260,000	1,100,000	1,100,000
1,2,4-Trichlorobenzene	120-82-1	100	100	440	440
1,1,1-Trichloroethane	71-55-6	260,000	260,000	1,100,000	1,100,000
1,1,2-Trichloroethane	79-00-5	27	-	38	-
Trichloroethene (TCE)	79-01-6	27	34	150	150
Trichlorofluoromethane (Freon 11)	75-69-4	36,000	-	150,000	-
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1,600,000	260,000	6,600,000	1,100,000
1,2,4-Trimethylbenzene	95-63-6	-	3,100	-	13,000
Vinyl chloride	75-01-4	13	32	140	140
Xylenes (total)	1330-20-7	5,200	5,200	22,000	22,000

Residential SGS	
SGSL Increasing	12
SGSL Decreasing	4
SGSL the Same	17
SGSL Added	2
SGSL Deleted	14

Nonresidential SGS	
SGSL Increasing	4
SGSL Decreasing	3
SGSL the Same	26
SGSL Added	2
SGSL Deleted	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.