

HVX501

HANDHELD VOC METER/MONITOR

GAS LIST

The relative factor is given so that, if necessary, a user can calculate the VOC concentration postmeasurement. The user can default to Isobutylene and multiply the response by the factor below for the specific gas type.

GAS NAME	RELATIVE FACTOR	GAS NAME	RELATIVE FACTOR
1,2,3-trimethylbenzene	0.49	arsine	2.60
1,2,4-trimethylbenzene	0.43	benzene	0.53
1,2-dibromoethane	11.70	bromoform	2.30
1,2-dichlorobenzene	0.50	bromomethane	1.80
1,3,5-trimethylbenzene	0.34	butadiene	0.69
1,4-dioxane	1.40	butyl acetate	2.40
1-butanol	3.40	carbon disulfide	1.20
1-methoxy-2-propanol	1.40	chlorobenzene	0.40
1-propanol	5.70	cumene (isopropylbenzene)	0.54
2-butoxyethanol	1.30	cyclohexane	1.50
2-methoxyethanol	2.50	cyclohexanone	0.82
2-pentanone	0.78	decane	1.60
2-picoline	0.57	diethylamine	1.00
3-picoline	0.90	dimethoxymethane	11.30
4-hydroxy-4-methyl-2-pentanone	0.55	dimethyl disulfide	0.30
4-methylbenzyl alcohol	0.80	diesel fuel #1	0.90
acetaldehyde	10.80	diesel fuel #2	0.75
acetic acid	11.00	epichlorhydrin	7.60
acetone	1.20	ethanol 10	10.00
acetophenone	0.59	ethyl acetate	4.20
acrolein	3.90	ethyl acetoacetate	0.90
allyl alcohol	2.50	ethyl acrylate	2.30
ammonia	9.40	ethyl ether (diethyl ether)	1.20
amylacetate	3.50	ethyl mercaptan	0.60

GAS NAME	RELATIVE FACTOR	GAS NAME	RELATIVE FACTOR
ethylbenzene	0.51	n,n-dimethylformamide	0.80
ethylene	10.10	n-hexane	4.50
ethylene glycol	15.70	nitric oxide	7.20
ethylene oxide	19.50	n-nonane	1.60
gasoline	1.10	n-pentane	9.70
heptane	2.50	n-propyl acetate	3.10
hydrazine	2.60	octane	2.20
hydrogen sulfide	3.20	o-xylene	0.54
isoamyl acetate	1.80	phenol	1.00
isobutanol	4.70	phosphine	2.80
isobutyl acetate	2.60	pinene, alpha	0.40
isobutylene	1.00	pinene, beta	0.40
isooctane	1.30	propionaldehyde (propanal)	14.80
isopentane	8.00	propylene	1.30
isophorone	0.74	propylene oxide	6.50
isoprene (2-methyl-1,3-butadiene)	0.60	p-xylene	0.50
isopropanol	5.60	pyridine	0.79
isopropyl acetate	2.60	quinoline	0.72
isopropyl ether	0.80	styrene	0.40
isopropylamine	0.90	tert-butyl alcohol	3.40
Jet A fuel	0.40	tert-butyl mercaptan	0.55
JP-5 fuel	0.48	tert-butylamine	0.71
JP-8 fuel	0.48	tetrachloroethylene	0.56
mesityl oxide	0.47	tetrahydrofuran	1.60
methyl acetate	7.00	thiophene	0.47
methyl acetoacetate	1.10	toluene	0.53
methyl acrylate	3.40	trans-1,2-Dichloroethene	0.45
methyl benzoate	0.93	trichloroethylene	0.50
methyl ethyl ketone	0.90	trimethylamine	0.83
methyl isobutyl ketone	1.10	turpentine - crude sulfite	1.00
methyl mercaptan	0.60	turpentine - pure gum	0.45
methyl methacrylate	1.50	vinyl acetate	1.30
methyl tert-butyl ether	0.86	vinyl bromide	0.40
methylamine	1.20	vinyl chloride	1.80
m-xylene	0.53	vinylcyclohexane (VCH)	0.54
naphtalene	0.37	vinylidene chloride (1,1-DCE)	0.80
n,n-dimethylacetamide	0.73		