

Gas / Volatile	Formula	Ionisation Potential	PID response factors				LEL	EH40 safety thresholds				NIOSH Safety Thresholds							OSHA				
			NR = No Response NV = Non Volatile at 20C NA = No DATA Available RED = Tested = Calculated																TWA ppm	TWA mg.m ⁻³			
			11.7	10.6	10.2	8.4		ppm STEL	ppm TWA	mg.m-3 STEL	mg.m-3 TWA	ppm	ppm TWA	mg.m-3	mg.m-3 TWA	ppm	mg.m ⁻³	ppm					
		IP						STEL	TWA	STEL	TWA	ST	REL	ST	REL	Ceiling	Ceiling	IDLH	PEL	PEL			
Acetaldehyde	C2H4O	10.23	3.3	4.861	1	ZR		50	20	92	37							2000	200	360			
Acetic Acid	C2H4O2	10.66	2.6	36.153	ZR	ZR		15	10	37	25	15	10	37	25			50					
Acetic Anhydride	C4H6O3	10.14	2	4.000	ZR	ZR		2	0.5	10	2.5					5	20	200	5	20			
Acetone	C3H6O	9.69	1.4	0.715	1	1.2	1.54	1500	500	3620	1210		250		590			2500	1000	2400			
Acetonitrile	CH3CN	12.2	100	ZR	ZR	ZR		60	40	102	68		20		34			500	40	70			
Acetylene	C2H2	11.4	2	ZR	ZR	ZR	1.25									2500	2662	ND					
Acrolein	C3H4O	10.22	3	4.000	1	ZR		0.3	0.1	0.7	0.23	0.3	0.1	0.8	0.25			2	0.1	0.25			
Acrylic Acid	C3H4O2	10.6	2	2.749	ZR	ZR		20	10	60	30		2		6			ND					
Acrylonitrile	C3H3N	10.91	1.2	ZR	ZR	ZR			2		4.4		1			10		85	2				
Allyl alcohol	C3H6O	9.63	1.7	2.074	2	ZR		4	2	9.7	4.8	4	2	10	5			20	2	5			
Allyl chloride	C3H5Cl	10.05	0.7	4.500	ZR	ZR						2	1	6	3			250	1	3			
Ammonia	H3N	10.18	5.7	8.496	8	ZR	0.80	35	25	25	18	35	25	27	18			300	50	35			
Amyl acetate, n-	C7H14O2	9.9	1	1.800	ZR	ZR							100		525			1000	100	525			
Amyl alcohol	C5H12O	10	4	3.200	5	ZR																	
Aniline	C6H7N	7.70	0.47	0.500	0.5	0.5			1		4							100	5	19			
Anisole	C7H8O	8.21	1	0.473	1	1																	
Arsine	AsH3	9.89	3	2.500	2	ZR			0.05		0.16					0.002		3	0.05	0.2			
Asphalt, petroleum fumes		9	NA	1.000	NA	NA				10	5												
Benzaldehyde	C7H6O	9.49	1	0.858	1	ZR																	
Benzene	C6H6	9.24	0.6	0.500	0.53	ZR			1			1	0.1					500	1				
Benzenethiol	C6H5SH	8.32	NA	0.700	NA	NA			0.5		2.3					0.1	0.5	ND					
Benzonitrile	C7H5N	9.62	2	0.708	1	ZR																	
Benzyl alcohol	C7H8O	8.26	0.9	1.250	1.2	1.4																	
Benzyl chloride	C7H7Cl	9.14	0.5	0.550	1	ZR		1.5	0.5	7.9	2.6		1		5			10	1	5			
Benzyl formate	C8H8O2	9.32	0.66	0.770	1	ZR																	
Biphenyl	C12H10	8.23	NA	0.400	NA	NA		0.6	0.2	3.8	1.3		0.2		1			20	0.2	1			
Bis(2,3-epoxypropyl) ether	C6H10O3	9.6	NA	3.000	NA	NA			0.1		0.54												
Boron trifluoride	BF3	15.5	ZR	ZR	ZR	ZR																	
Bromine	Br2	10.55	0.74	20.000	ZR	ZR		0.3	0.1	2	0.66	0.3	0.1	2	0.7			3	0.1	0.7			
Bromine pentafluoride	BrF5	13.17	ZR	ZR	ZR	ZR		0.3	0.1	2.2	0.73		0.1		0.7			ND					
Bromobenzene	C6H5Br	8.98	0.5	0.700	1	ZR																	
Bromochloromethane	CH2ClBr	10.77	NA	ZR	ZR	ZR		250	200	1340	1080		200		1050			2000	200	1050			
Bromoethane	C2H5Br	10.29	NA	5.000	ZR	ZR		250	200	1130	906							2000	200	890			
Bromoethyl methyl ether, 2-	C3H7OBr	10	2	2.500	1	ZR																	
Bromoform	CHBr3	10.48	0.5	2.800	2	ZR			0.5		5.3		0.5		5			850	0.5	5			
Bromopropane, 1-	C3H7Br	10.18	0.6	1.300	1	ZR																	
Bromotrifluoromethane	CF3Br	11.78	NA	ZR	ZR	ZR		1200	1000	7430	6190		1000		6100			40000	1000	6100			
Butadiene	C4H6	9.07	1.1	0.830	1	ZR												2000	1				
Butadiene diepoxide, 1,3-	C4H6O2	10	1.2	4.000	10	ZR																	
Butane, n-	C4H10	10.63	1	46.290	ZR	ZR	1.67	750	600	1810	1450		800		1900			ND					
Butanol, 1-	C4H10O	10.04	1.4	4.011	70	ZR		30	50		30					50	150	1400	100	300			
Buten-3-ol, 1-	C4H8O	9.20	NA	1.150	NA	NA																	
Butene, 1-	C4H8	9.58	NA	1.300	1.5	ZR																	
Butoxyethanol, 2-	C6H14O2	8.6	0.62	1.100	1	1.8		50	25				5		24			700	50	240			
Butyl acetate, n-	C6H12O2	10.00	NA	2.418	2	ZR		200	150	966	724	200	150	950	710			1700	150	710			
Butyl acrylate, n-	C7H12O2	8.60	0.6	1.500	1	ZR		5	1	26	5		10		55			ND					
Butyl lactate	C7H14O3	9.80	NA	2.500	NA	NA			5		30		5		25			ND					
Butyl mercaptan	C4H10S	9.15	2	0.540	0.55	ZR										0.5	1.8	500	10	35			
Butylamine, 2-	C4H11N	8.6	NA	0.900	NA	NA																	
Butylamine, n-	C4H11N	8.71	0.7	1.000	1	1.1		5		15						5	15	300					
Camphene	C10H16	8.10	NA	0.450	NA	NA																	
Carbon dioxide	CO2	13.77	ZR	ZR	NA	NA		15000	5000	27400	9150	30000	5000	54000	9000			40000	5000	9000			
Carbon disulfide	CS2	10.08	0.3	1.400	1	ZR			10		32	10	1	30	3			500	20				
Carbon monoxide	CO	14.01	ZR	ZR	ZR	ZR	0.91	200	30	232	35		35		40	200	229	1200	50	55			
Carbon tetrabromide	CBr4	10.31	NA	3.000	NA	NA		0.3	0.1	4.1	1.4	0.3	0.1	4	1.4			ND					
Carbon tetrachloride	CCl4	11.47	1.7	ZR	ZR	ZR			2		13		2		12.6			200	10	63			
Carbonyl sulphide	COS	11.18	11	ZR	ZR	ZR																	
Carvone, R-	C10H14O	9.10	NA	1.000	NA	NA																	
Chlorine	Cl2	11.48	1	ZR	ZR	ZR		1	0.5	2.9	1.5					0.5	1.45	10	1	3			
Chlorine dioxide	ClO2	10.36	2	1.000	ZR	ZR		0.3	0.1	0.84	0.28	0.3	0.1	0.9	0.3			5	0.1	0.3			
Chlorine trifluoride	ClF3	12.65	NA	ZR	ZR	ZR		0.1		0.38						0.1	0.4	20	0.1				
Chloro-1,1,1,2-tetrafluoroethane, 2-	C2HClF4	11.80	NA	ZR	ZR	ZR																	
Chloro-1,1,1-trifluoroethane, 2-	C2H2ClF3	11.7	1	ZR	ZR	ZR																	
Chloro-1,1,2,2-tetrafluoroethane, 1-	C2HClF4	11.5	NA	ZR	ZR	ZR																	
Chloro-1,1,2-trifluoroethane, 1-	C2H2ClF3	11.8	1	ZR	ZR	ZR																	
Chloro-1,1-difluoroethane, 1-	C2H3ClF2	12	ZR	ZR	ZR	ZR																	
Chloro-1,1-difluoroethane, 1-	C2H3ClF2	11.98	1	ZR	ZR	ZR																	
Chloro-1,1-difluoroethane, 2-	C2H3ClF2	11.80	1	ZR	ZR	ZR																	
Chloro-1,2,2-trifluoroethane, 1-	C2H2ClF3	11.5	1	ZR	ZR	ZR																	
Chloro-1,3-butadiene, 2-	C4H5Cl	8.79	4	3.200	3	ZR			10		37												
Chloro-1-fluoroethane, 1-	C2H4ClF	11.3	1	ZR	ZR	ZR																	
Chloro-2-fluoroethane, 1-	C2H4ClF	11.30	1	ZR	ZR	ZR																	
Chloroacetaldehyde	C2H3OCl	10.61	NA	ZR	ZR	ZR		1		3.3						1	3	45	1	3			
Chlorobenzene	C6H5Cl	9.07	0.39	0.450	1	ZR		3	1									1000	75	350			
Chlorodifluoromethane	CHClF2	12.45	ZR	ZR	ZR	ZR			1000		3590	1250	1000	4375	3500			ND					
Chloroethane	C2H5Cl	10.97	1.1	ZR	ZR	ZR		1250	1000	3380	2700							3800	1000	2600			
Chloroethanol 2-	C2H5ClO	10.50	1	10.000	ZR	ZR		1		3.4						1	3		7	16			
Chloroethyl methyl ether, 2-	C3H7ClO	9.00	NA	2.600	NA	NA																	
Chlorofluoromethane	CH2ClF	11.71	NA	ZR	ZR	ZR																	
Chloroform	CHCl3	11.42	3.5	ZR	ZR	ZR			2		9.9	2		9.78				500	50	240			
Chloromethane	CH3Cl	11.28	0.74	ZR	ZR	ZR		100	50	210	105							2000	100				
Chloropentafluoroethane	C2ClF5	12.96	ZR	ZR	ZR	ZR			1000		6320		1000		6320			ND	1000	6320			
Chlorotoluene, o-	C7H7Cl	8.83	0.6	0.450	1	1						75	50	375	250			ND					
Chlorotoluene, p-	C7H7Cl	8.69	0.6	0.500	1	1																	

			PID response factors				LEL	EH40 safety thresholds				NIOSH Safety Thresholds							OSHA	
Gas / Volatile	Formula	Ionisation Potential	NR = No Response NV = Non Volatile at 20C NA = No DATA Available RED = Tested Blue = Calculated				Response factor, methane = 1													
								ppm STEL	ppm TWA	mg.m-3 STEL	mg.m-3 TWA	ppm	ppm TWA	mg.m-3	mg.m-3 TWA	ppm	mg.m-3	ppm	TWA ppm	TWA mg.m-3
		IP	11.7	10.6	10.2	8.4		STEL	TWA	STEL	TWA	ST	REL	ST	REL	ceiling	ceiling	IDLH	PEL	PEL
Cyanogen chloride	CNCl	12.49	ZR	ZR	ZR	ZR		0.3		0.77					0.3	0.6	ND			
Cyclohexane	C6H12	9.86	0.64	1.162	2	3.3	1.82	300	100	1050	350		300		1050			1300	300	1050
Cyclohexanol	C6H12O	10.00	1.1	2.906	1	ZR			50		208		50		200			400	50	200
Cyclohexanone	C6H10O	9.40	0.7	1.039	1	ZR		20	10				25		100			700	50	200
Cyclohexene	C6H10	8.95	1	0.750	1	ZR							300		1015			2000	300	1015
Cyclohexylamine	C6H13N	8.37	1	0.981	1	1			10		41		10		40			ND		
Cyclopentane	C5H10	10.52	0.6	4.000	ZR	ZR							600		1720			ND		
Decane, n-	C10H22	9.65	0.35	1.043	2	ZR														
Diacetone alcohol	C6H12O2	9.00	NA	0.800	NA	NA							50		240			1800	50	240
Dibenzoyl peroxide	C14H10O4	9.00	NA	0.800	NA	NA					5									
Diborane	B2H6	11.38	NA	ZR	ZR	ZR			0.1		0.12		0.1		0.1			15	0.1	0.1
Dibromodichloromethane	CHBr2Cl	10.59	0.7	10.000	5	ZR														
Dibromodifluoromethane	CF2Br2	11.07	NA	ZR	ZR	ZR		150	100	1310	872		100		860			2000	100	860
Dibromoethane, 1,2-	C2H4Br2	9.45	0.6	2.000	ZR	ZR			0.5		3.9		0.045			0.13		100	20	
Dibromotetrafluoroethane, 1,2-	C2F4Br2	11.1	NA	ZR	ZR	ZR														
Dibutyl hydrogen phosphate	HC6H18PO4	10.00	NA	4.000	NA	NA		2	1	17	8.7	2	1	10	5			30	1	5
Dichloro-1,1,1-trifluoroethane, 2,2-	C2HCl2F3	11	NA	ZR	ZR	ZR														
Dichloro-1,1-difluoroethane, 1,2-	C2H2Cl2F2	11	1	ZR	ZR	ZR														
Dichloro-1,2,2-trifluoroethane, 1,2-	C2HCl2F3	11	NA	ZR	ZR	ZR														
Dichloro-1,2-difluoroethane, 1,2-	C2H2Cl2F2	11	1	ZR	ZR	ZR														
Dichloro-1-fluoroethane, 1,1-	C2H3Cl2F	11	2	ZR	ZR	ZR														
Dichloro-1-fluoroethane, 1,1-	C2H3Cl2F	11	1	ZR	ZR	ZR														
Dichloro-1-fluoroethane, 1,2-	C2H3Cl2F	11	1	ZR	ZR	ZR														
Dichloro-1-propene, 2,3-	C3H4Cl2	10.50	0.7	1.400	1	1.9														
Dichloro-2,2,-difluoroethane, 1,1-	C2H2Cl2F2	11.5	10	ZR	ZR	ZR														
Dichloroacetylene	C2Cl2	9.9	NA	5.000	NA	NA		0.1		0.39						0.1	0.4	ND		
Dichlorobenzene o-	C6H4Cl2	9.06	0.38	0.500	0.5	ZR		50	25	306	153					50	300	200		
Dichlorodifluoromethane	CCl2F2	11.75	ZR	ZR	ZR	ZR		1250	1000	6280	5030		1000		4950			15000	1000	4950
Dichloroethane, 1,2-	C2H4Cl2	11.05	0.6	ZR	ZR	ZR			5		21	2	1	8	4			50	50	200
Dichloroethane, 1,1-	C2H4Cl2	11.06	2	ZR	ZR	ZR			100				100		400			3000	100	400
Dichloroethene, 1,1-	C2H2Cl2	10.00	1	0.950	1	ZR			10		40							ND		
Dichloroethene, cis-1,2-	C2H2Cl2	9.66	1	0.800	1	ZR												1000		
Dichloroethene, trans-1,2-	C2H2Cl2	9.65	0.3	0.700	1	ZR												1000		
Dichloroethylene 1,2-	C2H2Cl2	9.65	NA	0.750	NA	ZR		250	200	1010	806		200		790			1000	200	790
Dichlorofluoromethane	CHFCl2	12.39	ZR	ZR	ZR	ZR			10		43		10		40			5000	1000	4200
Dichloromethane	CH2Cl2	11.32	0.89	39.000	ZR	ZR		300	100	1060	350									
Dichloropropane, 1,2-	C3H6Cl2	10.87	0.7	ZR	1	ZR														
Dichlorotetrafluoroethane, 1,1-	C2Cl2F4	12.2	ZR	ZR	ZR	ZR														
Dichlorotetrafluoroethane, 1,2-	C2Cl2F4	12.20	ZR	ZR	ZR	ZR														
Dicyclopentadiene	C10H12	8.00	1	0.900	NA	ZR														
Diesel Fuel		8	0.4	0.750	3	10														
Diethyl ether	C4H10O	9.53	1.9	0.884	ZR	ZR		200	100	620	310							1900	400	1200
Diethyl maleate	C8H12O4	10	NA	2.000	NA	NA														
Diethyl phthalate	C12H14O4	9	NA	1.000	NA	NA				10	5				5			ND		
Diethyl sulphate	C4H10SO4		NA	3.000	NA	NA			0.05		0.32									
Diethyl sulphide	C4H10S	8.43	1	0.550	1	3														
Diethylamine	C4H11N	8.01	1	1.000	1	1		25	10	76	30	25	10	75	30			200	25	75
Diethylaminoethanol, 2-	C6H15ON	9	NA	2.700	NA	NA					49		10		50			100	10	50
Diethylaminopropylamine, 3-	C7H18N2	9.00	NA	1.000	NA	NA														
Difluoroethane, 1,1-	C2H4F2	11.87	ZR	ZR	ZR	ZR														
Difluoroethane, 1,2-	C2H4F2	12	ZR	ZR	ZR	ZR														
Difluoromethane	CH2F2	12.71	ZR	ZR	ZR	ZR														
Dihydrogen selenide	H2Se	9.88	NA	1.000	NA	ZR		0.05	0.02											
Dihydroxybenzene, 1,2	C6H6O2	9	NA	1.000	NA	ZR			5		23		5		20			ND		
Dihydroxybenzene, 1,3	C6H6O2	8.63	NA	1.000	NA	ZR		20	10	92	46	20	10	90	45			ND		
Diisobutylene	C8H16	8.8	NA	0.643	NA	NA														
Diisopropyl ether	C6H14O	9.2	NA	0.680	1	ZR		310	250	1310	1060		500		2100			1400	500	2100
Diisopropylamine	C6H15N	7.73	0.53	0.700	1	0.84			5		21		5		20			200	5	20
Diketene	C4H4O2	9.60	1.4	2.200	2	2.6														
Dimethoxymethane	C3H8O2	9.70	NA	1.400	NA	ZR		1250	1000	3950	3160		1000		3100			2200	1000	3100
Dimethyl cyclohexane, 1,2-	C8H16	9.41	NA	1.050	NA	NA														
Dimethyl disulphide	C2H6S2	7.4	0.2	0.230	0.2	0.2														
Dimethyl ether	C2H6O	10.03	NA	1.300	4.8	4.8		500	400	958	766									
Dimethyl phthalate	C10H10O4	9.64	NA	1.000	NA	NA				10	5									
Dimethyl sulphate	C2H6O4S	12.00	2.3	ZR	20	23			0.05		0.26		0.1		0.5			7	1	5
Dimethyl sulphide	C2H6S	8.69	0.46	0.500	0.5	0.49		50	100		10									
Dimethylacetamide N,N-	C4H9NO	8.81	0.8	1.300	0.8	0.9		20	10	72	36									
Dimethylamine	C2H7N	8.24	2	1.400	1.5	1.5		6	2	11	3.8		10		18			500	10	18
Dimethylaminoethanol	C4H11NO	9	NA	1.500	NA	ZR		6	2	22	7.4									
Dimethylaniline, NN-	C8H11N	7.12	NA	0.600	NA	ZR		10	5	50	25	10	5	50	25			100	5	25
Dimethylbutyl acetate	C8H16O2	7.74	2	1.600	2	2		100	50	599	299									
Dimethylethylamine, NN-	C4H11N	8.5	0.9	0.800	1	1.1		15	10	46	30									
Dimethylformamide	C3H7NO	9.13	1	0.900	1	ZR		20	10	61	30		10		30			500	10	30
Dimethylheptan-4-one, 2,6-	C9H18O	9.04	NA	0.800	NA	NA			25		148									
Dimethylhydrazine, 1,1-	C2H6N2	8.05	0.8	1.000	2	2							0.06		0.15			15	0.5	1
Dinitrobenzene, m-	C6H4N2O4	10.43	NA	3.000	NA	NA		0.5	0.15	3.5	1				1					1
Dinitrobenzene, o-	C6H4N2O4	10.71	NA	ZR	NA	NA		0.5	0.15	3.5	1				1					1
Dinitrobenzene, p-	C6H4N2O4	10.5	NA	5.000	NA	NA		0.5	0.15	3.5	1				1					1
Dionyl phthalate	C26H42O4	9.19	NA	1.000	NA	NA					5									
Dioxane 1,2-	C4H8O2	9.2	NA	1.500	0.54	ZR														
Dioxane 1,4-	C4H8O2	9.13	NA	1.500	NA	NA		100	25	366	91		100		360	1	3.6	500		
Dipentene	C10H16	8.6	1	0.900	NA	ZR														
Diphenyl ether	C12H10O	8.09	NA	0.800	NA	ZR			1		7.1									
Disulphur decafluoride	S2F10	12.77	NA	ZR	NA	NA		0.075	0.025	0.79	0.26					0.01	0.1	1	0.025	0.25
Disulphur dichloride	S2Cl2	10	NA	3.000	NA	NA		1		5.6										
Di-tert-butyl-p-cresol	C11H16O	8.3	NA	1.000	NA	NA					10				10			ND		
Divinylbenzene	C10H10	8.2	NA	0.400	NA	ZR			10		54		10		50			ND		
Dodecanol	C12H26O	9.8	1	0.900	NA															

Gas / Volatile	PID response factors		LEL	EH40 safety thresholds				NIOSH Safety Thresholds							OSHA					
	Formula	Ionisation Potential		Response factor, methane = 1				ppm STEL	TWA	mg.m-3 STEL	mg.m-3 TWA	ST	REL	ST	REL	Ceiling	Ceiling	IDLH	TWA ppm	TWA mg.m-3
				NR = No Response NV = Non Volatile at 20C NA = No DATA Available RED = Tested Blue = Calculated																
				11.7	10.6	10.2	8.4													
Ethoxyethyl acetate, 2-	C6H12O3	10	NA	3.000	NA	NA						0.5		2.7			500	100	540	
Ethyl (S)-(-)-lactate	C5H10O3	10.00	1.6	3.000	4	13														
Ethyl acetate	C4H8O2	10.01	1	3.634	5	ZR	2.00	400	200			400		1400			2000	400	1400	
Ethyl acrylate	C5H8O2	10.30	1	2.000	3	ZR		15	5	62	21						300	25	100	
Ethyl amine	C2H7N	8.86	1	1.000	1	ZR		6	2	11	3.8		10		18		600	10	18	
Ethyl benzene	C8H10	8.76	0.51	0.540	0.52	0.52		125	100	552	441	125	100	545	435		800	100	435	
Ethyl butyrate	C6H12O2	9.90	NA	0.950	NA	2														
Ethyl chloroformate	C3H5O2Cl	10.64	1.955	83.000	NA	ZR			1		4.5									
Ethyl cyanoacrylate	C6H7O2N	10	NA	1.500	NA	3		0.3		1.5										
Ethyl decanoate	C12H24O2	9.6	NA	1.800	NA	NA														
Ethyl formate	C3H6O2	10.61	1.9	29.837	ZR	ZR		150	100	462	308		100		300		1500	100	300	
Ethyl hexanoate	C8H16O2	9.75	NA	2.600	NA	NA														
Ethyl hexanol, 2-	C8H18O	9.80	1	1.500	NA	ZR														
Ethyl hexyl acrylate, 2-	C11H20O2	9	0.5	1.000	1.2	ZR														
Ethyl mercaptan	C2H6S	9.29	1	0.695	ZR	ZR		2	0.5	5.2	1.3				0.5	1.3	500			
Ethyl octanoate	C10H20O2	9.70	NA	2.300	NA	NA														
Ethylene	C2H4	10.51	3	8.000	ZR	ZR	1.11													
Ethylene dinitrate	C2H4O6N2	10.8	NA	ZR	NA	NA		0	0	1	1			0						
Ethylene glycol	C2H6O2	10.16	NA	20.000	NA	ZR				104	52						ND			
Ethylene oxide	C2H4O	10.56	2	15.000	ZR	ZR			5		9.2		0.1		0.18	5	9	800	1	5
Ferrocene	C10H10Fe	6.88	NA	0.800	NA	NA				20	10				10		ND	ND	15	
Fluorine	F2	15.7	NA	ZR	NA	NA		1	1				0.1		0.2		25	0.1	0.2	
Fluoroethane	C2H5F	11.78	NA	ZR	NA	ZR														
Fluoromethane	CH3F	12.47	NA	ZR	NA	ZR														
Formaldehyde	CH2O	10.87	0.6	ZR	ZR	ZR		2	2	2.5	2.5	0.016			0.1		20	0.75		
Formamide	CH3ON	10.20	NA	2.000	NA	ZR		30	20	56	37	10		15			ND			
Formic acid	CH2O2	11.05	5	ZR	ZR	ZR			5		9.6		5		9		30	5	9	
Furfural	C5H4O2	9.21	0.8	1.387	1	ZR											100	5	20	
Furfuryl alcohol	C5H8O2	9.90	NA	2.000	NA	NA		15	5	61	20	15	10	60	40		75	50	200	
Gasoline vapors		9.90	NA	1.050	NA	ZR											ND			
Gasoline vapors		9.90	NA	0.800	1	ZR											ND			
Gasoline vapors 92 octane		9.90	0.47	0.800	1.3	2														
Germane	GeH4	11.34	NA	10.000	NA	NA		0.6	0.2	1.9	0.64		0.2		0.6		ND			
Glutaraldehyde	C5H8O2	9.6	0.6	0.900	1.1	ZR		0.05	0.05	0.2	0.2		0.2		0.8		ND			
Halothane	CF3CHBrCl	11	0.6	ZR	ZR	ZR			10		82					2	16.2	ND		
Helium	He	24.59	NA	ZR	NA	NA														
Heptan-2-one	C7H14O	9.33	NA	0.730	NA	ZR		100	50	475	237		100		465		800	100	465	
Heptan-3-one	C7H14O	9.02	NA	0.750	NA	ZR		100	35	475	166		50		230		1000	50	230	
Heptane n-	C7H16	9.92	0.6	2.064	45	50	2.22		500				85		350	440	1800	750	500 2000	
Hexachloroethane	C2Cl6	11.22	1	ZR	ZR	ZR			5		49		1		10		300	1	10	
Hexafluoroethane	C2F6	13.60	ZR	ZR	ZR	ZR														
Hexamethyldisilazane, 1,1,1,3,3,3-	C6H19NSi2	8.60	0.19	1.000	1	1														
Hexamethyldisiloxane.	C6H18OSi2	9	NA	0.280	1	ZR														
Hexan-2-one	C6H12O	9.34	NA	0.800	NA	ZR			5		21		1		4		1600	100	410	
Hexane n-	C6H14	10.13	0.5	4.200	10	ZR	2.22		20		72		50		180		1100	500	1800	
Hexene, 1-	C6H12	9.44	NA	0.900	1.2	NA														
Hydrazine	H4N2	8.93	2.1	3.000	3	3		0.1	0.02	0.13	0.03				0.03	0.04	50	1	1.3	
Hydrazoic acid	HN3	10.72	NA	ZR	NA	NA		0.1		0.18										
Hydrogen	H2	15.43	ZR	ZR	ZR	ZR	0.95													
Hydrogen bromide	HBr	11.62	NA	ZR	NA	NA		3		10					3	10	30	3	10	
Hydrogen chloride	HCl	12.74	NA	ZR	NA	NA		5	1	8	2				5	7	50			
Hydrogen cyanide	HCN	13.60	ZR	ZR	ZR	ZR		10		11		4.7		5			50	10	11	
Hydrogen fluoride	HF	15.98	NA	ZR	NA	NA		3	1.8	2.5	1.5		3		2.5	6	5	30	3 2.5	
Hydrogen peroxide	H2O2	10.54	1	4.000	ZR	ZR		2	1	2.8	1.4		1		1.4		75	1	1.4	
Hydrogen sulfide	H2S	10.46	1.5	4.000	ZR	ZR		10	5	14	7				10	15	100			
Hydroquinone	C6H6O2	7.94	NA	0.800	NA	NA				4	2					2				
Hydroxypropyl acrylate 2-	C6H10O3	9	NA	1.500	NA	ZR			0.5		2.7		0.5		3		ND			
Iminodi(ethylamine) 2,2-	C4H13N3	9	NA	0.900	NA	ZR			1		4.3									
Iminodiethanol 2,2'-	C4H11NO2	9	NA	1.600	NA	ZR			3		13		3		15		ND			
Indene	C9H8	8.81	NA	0.460	NA	ZR		15	10	72	48		10		45		ND			
Iodine	I2	9.31	0.1	0.150	1	ZR		0.1		1.1			0.1		1		2	0.1	1	
Iodoform	CHI3	9.25	NA	1.500	NA	NA		1	0.6	16	9.8		0.6		10		ND			
Iodomethane	CHI3	9.54	0.26	0.400	1	ZR			2		12		2		10		100	5	28	
Isoamyl acetate	C7H14O2		NA	1.600	NA	NA		100	50	541	270		100		525		1000	100	525	
Isobutane	C4H10	10.57	1.2	8.000	ZR	ZR							800		1900		ND			
Isobutanol	C4H10O	10.12	1.5	3.500	19	ZR		75	50	231	154		50		150		1600	100	300	
Isobutyl acetate	C6H12O2	9.90	NA	2.260	NA	ZR		187	150	903	724		150		700		1300	150	700	
Isobutyl acrylate	C7H12O2	9.50	0.6	1.300	NA	NA														
Isobutylene	C4H8	9.24	1	1.000	2	ZR														
Isobutyraldehyde	C4H8O	9.00	NA	1.200	NA	ZR														
Isocyanates, all		10	NA	NV	NA	NA				0.07	0.02									
Isodecanol	C10H22O	9.80	1	0.900	NA	ZR														
Isollurane	C3H2ClF5O	11.00	NA	ZR	NA	NA			50		383									
Isononanol	C9H20O	9.80	1	1.500	NA	ZR														
Isooctane	C8H18	9.86	1	1.085	1	ZR	2.22													
Isooctanol	C8H18O	9.80	1	1.700	NA	ZR														
Isopentane	C5H12	10.32	4	6.000	ZR	ZR														
Isophorone	C9H14O	9.07	NA	0.750	NA	ZR		5		29			4		23		200	25	140	
Isoprene	C5H8	8.85	0.6	0.698	1	0.69	1.82	100	250		100									
Isopropanol	C3H8O	10.17	2.7	4.352	40	500		500	400	1250	999									
Isopropyl acetate	C5H10O2	9.99	NA	2.202	5	ZR		200			849						1800	250	950	
Isopropyl chloroformate	C4H7O2Cl	10.20	NA	1.600	NA	NA			1		5.1									
Jet Fuel JP-4		9.00	0.42	0.750	1	ZR														
Jet Fuel JP-5		9.00	0.46	0.650	1	ZR														
Jet Fuel JP-8		9.00	0.32	0.650	1	ZR		15	30		15									
Kerosene		8	NA	0.830	NA	ZR									100		ND			
Ketene	C2H2O	9.617	NA	3.000	NA	ZR		1.5	0.5	2.6	0.87									
Liquefied petroleum gas		10.95	NA	ZR	NA	ZR		1250	1000	2180	1750		1000		1800		2000	1000	1800	
Maleic anhydride	C4H2O3	9.9	NA	2.000	NA	NA				3	1		0.25		1		2.5	0.25	1	
Mercaptoacetic acid	C2H4O2S	9.8	NA	1.000	NA	NA			1		3.8									
Mercury	Hg	10.44	NA	NV	NA	NA										0.1			0.05	
Mercury alkyls			NA	NV	NA	NA				0.03	0.01									
Mesitylene	C9H12	8.41	0.32	0.340	0.36	1		100	250	500	100									
Methacrylic acid	C4H6O2	10.15	NA	2.300	NA	ZR		40	20	143	72		20		70		ND			
Methacrylonitrile	C4H5N	10.34	NA	5.000	ZR	ZR			1		2.8		1		3		ND			
Methane	CH4	12.51	ZR	ZR	ZR															

Gas / Volatile	Formula	Ionisation Potential	PID response factors				LEL	EH40 safety thresholds				NIOSH Safety Thresholds							OSHA		
			NR = No Response NV = Non Volatile at 20C NA = No DATA Available RED = Tested = Calculated																		
			11.7	10.6	10.2	8.4		ppm STEL	ppm TWA	mg.m-3 STEL	mg.m-3 TWA	ppm	ppm TWA	mg.m-3	mg.m-3 TWA	ppm	mg.m-3	ppm	TWA ppm	TWA mg.m-3	
		IP						STEL	TWA	STEL	TWA	ST	REL	ST	REL	Ceiling	Ceiling	IDLH	REL	REL	
Methanol	CH4O	10.85	2.5	200.000	ZR	ZR	1.11	250	200	333	266	250	200	325	260			6000	200	260	
Methoxyethanol, 2-	C3H8O2	9.60	1.4	2.700	4.8	ZR							0.1		0.3			200	25	80	
Methoxyethoxyethanol, 2-	C5H12O3	10	0.9	1.400	2.3	ZR															
Methoxymethylethoxy-2-propanol	C7H16O3	9.3	NA	1.300	NA	ZR			50		308										
Methoxypropan-2-ol	C4H10O2	9.4	1.1	3.000	1.5	ZR		150	100	560	375	150	100	540	360			ND			
Methoxypropyl acetate	C6H12O3	9.00	0.8	1.200	NA	ZR		100	50	548	274										
Methyl acetate	C3H6O2	10.27	1.4	5.186	1	ZR		250	200	770	616	250	200	760	610			3100	200	610	
Methyl acrylate	C4H6O2	10.25	1.2	3.400	3	ZR			10		36		10		35			250	10	35	
Methyl bromide	CH3Br	10.54	1.3	1.900	ZR	ZR		2	5		1							250	20	80	
Methyl cyanoacrylate	C5H5O2N	10.00	NA	5.000	NA	NA		0.3		1.4		4	2	16	8			ND			
Methyl ethyl ketone	C4H8O	9.51	1.1	0.766	0.86	0.86	2.00	300	200	899	600	300	200	885	590			3000	200	590	
Methyl ethyl ketone peroxides	C8H18O2		NA	0.800	NA	NA		0.2		1.5						0.2	1.5				
Methyl formate	C2H4O2	10.82	NA	ZR	ZR	ZR		150	100	374	250	150	100	375	350			4500			
Methyl isobutyl ketone	C6H12O	9.30	0.6	0.802	0.9	0.9		100	50	416	208	75	50	300	205			500	100	410	
Methyl isocyanate	C2H3NO	10.67	1.5	ZR	ZR	ZR							0.02		0.05			3	0.02	0.05	
Methyl isothiocyanate	C2H3NS	9.25	0.4	0.600	1	ZR															
Methyl mercaptan	CH4S	9.44	1	0.700	1	ZR			0.5		1					0.5	1	150			
Methyl methacrylate	C5H8O2	9.70	1.2	1.600	1	2.7		100	50	416	208		100		410			1000	100	410	
Methyl propyl ketone	C5H10O	9.39	0.79	0.790	1	ZR		250	200	895	716										
Methyl salicylate	C8H8O3	9.70	NA	1.200	NA	NA															
Methyl sulphide	C2H6S	8.69	0.46	0.500	0.5	0.49															
Methyl t-butyl ether	C5H12O	9.24	1	0.800	1	ZR		75	25	275	92										
Methyl-2-propen-1-ol, 2-	C4H8O	9.60	NA	1.057	NA	NA															
Methyl-2-pyrrolidinone, N-	C5H8NO	9.17	0.9	0.900	1	1		75	25	309	103										
Methyl-4,6-dinitrophenol, 2-	C7H6N2O5	9.1	NA	3.000	NA	NA				0.6	0.2										
Methyl-5-hepten-2-one, 6-	C8H14O	9.40	NA	0.800	NA	NA															
Methylamine	CH5N	8.97	1	1.400	1	ZR			10		13		10		12			100	10	12	
Methylbutan-1-ol, 3-	C5H12O	9.80	NA	3.400	NA	ZR		125	100	458	366	125	100	500	360			500	125	450	
Methylcyclohexane	C7H14	9.85	0.53	1.100	1.6	ZR		400	500	500	400		400		1600			1200	500	2000	
Methylcyclohexanol, 4-	C7H14O	9.8	NA	2.400	NA	ZR		75	50	356	237		50		235			500	100	470	
Methylcyclohexanone 2-	C7H12O	9.2	NA	0.950	NA	ZR		75	50	350	233	75	50	345	230			600	100	460	
Methylheptan-3-one, 5-	C8H16O	9.1	NA	0.750	NA	NA		20	10				25		130			100	25	130	
Methylhexan-2-one, 5-	C7H14O	9.28	NA	0.750	NA	ZR		100	20	475	95		50		240			ND	100	480	
Methylhydrazine	CH6N2	8	1.3	1.300	1.4	1.4						0.04		0.08				20			
Methyl-N-2,4, 6-tetranitroaniline, N-	C7H5N5O8	9	NA	3.000	NA	NA				3	1.5										
Methylpent-3-en-2-one, 4-	C6H10O	9	NA	0.720	NA	ZR		25	15	102	61										
Methylpentan-2-ol, 4-	C6H14O	9.8	NA	2.800	NA	ZR		40	25	170	106	40	25	165	100			400	25	100	
Methylpentane-2,4-diol, 2-	C6H14O2	9	NA	4.000	NA	ZR		25	25	123	123					25	125	ND			
Methylpropan-2-ol, 2-	C4H10O	9.70	NA	3.500	NA	ZR		150	100	462	308	150	100	450	300			1600	100	300	
Methylstyrene	C9H10	8.2	1	0.530	1	1		150	100	736	491		100		480			400	100	480	
Mineral oil		9.00	NA	0.800	NA	NA															
Mineral spirits		9.00	0.39	0.800	1	ZR									350		1800			500	
Naphthalene	C10H8	8.14	0.4	0.440	0.45	0.45		15	10	80	53	15	10	75	50			250	10	50	
Nitric oxide	NO	9.27	2.8	8.000	1	ZR		35	25	44	31		25		30			100	25	30	
Nitroaniline 4-	C6H6N2O2	8.85	NA	0.800	NA	NA					6		0.5		3				1	6	
Nitrobenzene	C6H5NO2	9.92	1.6	1.700	2.6	ZR		2	1	10	5.1		1		5			200	1	5	
Nitroethane	C2H5NO2	10.88	3	ZR	ZR	ZR			100		312		100		310			1000	100	310	
Nitrogen dioxide	NO2	9.58	ZR	10.000	ZR	ZR		5	3	9.6	5.7		1		1.8			20			
Nitrogen trichloride	NCl3	10.22	1	1.000	1	ZR															
Nitrogen trifluoride	NF3	12.97	NA	ZR	ZR	ZR		15	10	44	30		10		29			1000	10	29	
Nitromethane	CH3NO2	11.08	4	ZR	ZR	ZR		150	100	381	254							750	100	250	
Nitropropane, 1-	C3H7NO2	10.81	NA	ZR	ZR	ZR			25		93		25		90			1000	25	90	
Nitropropane, 2-	C3H7NO2	10.71	2.6	ZR	ZR	ZR												25	90		
Nitrous oxide	N2O	12.89	NA	ZR	NA	NA			100		183		25		46			ND			
Nonane, n-	C9H20	9.72	1	1.272	5	ZR				0.3	0.1		200		1050			ND			
Norbornadiene, 2,5-	C7H8	8	NA	0.600	NA	NA															
Octachloronaphthalene	C10Cl8	9	NA	1.000	NA	NA				0.3	0.1			0.3	0.1					0.1	
Octane, n-	C8H18	9.8	NA	1.586	13.2	13.2	2.50						75		350	385	1800	1000	500	2350	
Octene, 1-	C8H16	9.43	NA	0.697	NA	NA															
Oxalic acid	C2H2O4	11	NA	ZR	NA	NA				2	1			2	1					1	
Oxalonitrile	C2N2	13.57	NA	ZR	NA	NA			10		22		10		20			ND			
Oxydiethanol 2,2-	C4H10O3		NA	4.000	NA	NA			23		101										
Oxygen	O2	12.07	NA	ZR	NA	NA															
Ozone	O3	12.52	NA	ZR	NA	NA		0.2		0.4						0.1	0.2	5	0.1	0.2	
Paraffin wax, fume			NA	1.000	NA	NA				6	2				2			ND			
Paraffins, normal		10	1	0.950	NA	ZR															
Pentacarbonyl iron	FeC5O5	9	NA	1.000	NA	NA			0.01		0.08	0.2	0.1	0.45	0.23			ND			
Pentachloroethane	C2HCl5	11.28	NA	ZR	ZR	ZR															
Pentachlorofluoroethane	C2Cl5F	11.8	NA	ZR	ZR	ZR															
Pentafluoroethane	C2HF5	12	NA	ZR	ZR	ZR															
Pentan-2-one	C5H10O	9.38	NA	0.790	1	ZR		250	200	895	716		150		530			1500	200	700	
Pentan-3-one	C5H10O	9.31	NA	0.800	NA	ZR		250	200	895	716		200		705			ND			
Pentandione, 2,4-	C5H8O2	8.85	NA	0.750	NA	NA															
Pentane, n-	C5H12	10.35	0.7	7.887	10	ZR	1.82	600	750		600		120		350	610	1800	1500	1000	2950	
Peracetic acid	C2H4O3		2.3	2.000	ZR	ZR															
Perchloryl fluoride	ClO3F	13.6	NA	ZR	NA	NA		6	3	26	13	6	3	28	14			100	3	13.5	
Perfluoropropane	C3F8	13.38	NA	ZR	NA	ZR															
Petroleum ether		10	1	0.900	NA	ZR															
Phenol	C6H6O	8.51	0.9	1.200	1	1			2				5		19	15.6	60	250	5	19	
Phenyl propene, 2-	C9H10	8.35	NA	0.440	NA	NA		100	50	491	246	100	50	485	240			700			
Phenyl-2,3-epoxypropyl ether	C9H10O2	8.6	NA	0.800	NA	ZR			1		6.2	10		60		1	6	100			
Phenylenediamine, p-	C6H8N2	6.89	NA	0.600	NA	NA					0.1				0.1					0.1	
Phosgene	COCl2	11.55	2.1	ZR	NA	NA		0.06													

Gas / Volatile	Formula	Ionisation Potential	PID response factors				LEL	EH40 safety thresholds				NIOSH Safety Thresholds							OSHA		
			NR = No Response NV = Non Volatile at 20C NA = No DATA Available RED = Tested Blue = Calculated																TWA ppm	TWA mg.m ⁻³	
			11.7	10.6	10.2	8.4		ppm STEL	ppm TWA	mg.m-3 STEL	mg.m-3 TWA	ppm ST	ppm REL TWA	mg.m-3 ST	mg.m-3 REL TWA	ppm Ceiling	mg.m ⁻³ Ceiling	ppm IDLH			
Propyl acetate, n-	C5H10O2	10.04	4	2.500	ZR	ZR		250	200	1060	849	250	200	1050	840			1700	200	840	
Propylene dinitrate	C3H6N2O6	11	NA	ZR	NA	NA		0.2	0.2	1.4	1.4										
Propylene oxide	C3H6O	10.22	2	7.000	1	ZR			5		12							400	100	240	
Propyleneimine	C3H7N	9	1	1.300	1.5	1.5							2		5			100	2	5	
Pyridine	C5H5N	9.25	0.7	0.750	0.8	ZR		10	5	33	16		5		15			1000	5	15	
Pyridylamine 2-	C5H6N2	9	NA	0.800	NA	ZR		2	0.5	7.8	2		0.5		2			5	0.5	2	
Silane	SiH4	11	NA	ZR	NA	NA		1	0.5	1.3	0.67		5		7			ND			
Sodium fluoroacetate	C2H2O2FNa	11	NA	ZR	NA	NA				0.15	0.05										
Styrene	C8H8	8.4	0.42	0.440	1	0.45		250	100	1080	430	100	50	425	215			700	100		
Sulphur dioxide	SO2	12.3	1.3	ZR	ZR	ZR		5	2	13	5.3	3	2	13	5			100	5	13	
Sulphur hexafluoride	SF6	19.3	NA	ZR	ZR	ZR		1250	1000	7590	6070		1000		6000			ND	1000	6000	
Sulphur tetrafluoride	SF4	12.63	NA	ZR	ZR	ZR		0.3	0.1	1.3	0.45	0.1		0.4				ND			
Sulphuric acid	H2SO4	12	NA	ZR	NA	ZR					1				1					1	
Sulphuryl fluoride	SO2F2	13.04	NA	ZR	ZR	ZR		10	5	42	21	10	5	40	20			200	5	20	
Terphenyls	C18H14		NA	0.600	NA	NA		0.5		4.8											
Terpinolene	C10H16	8.1	NA	0.467	NA	NA															
Tert-butanol	C4H10O	9.8	NA	2.626	NA	NA						150	100	450	300			1600	100	300	
Tetrabromoethane, 1,1,2,2-	C2H2Br4	10	NA	2.000	NA	NA			0.5		7.2										
Tetracarbonylnickel	NiC4O4	8.28	NA	1.000	NA	NA		0.1		2.4			0.001		0.007			2	0.001	0.007	
Tetrachloro-1,2-difluoroethane, 1,1,2,2-	C2Cl4F2	11.3	NA	ZR	ZR	ZR		100	100	847	847		500		4170			2000	500	4170	
Tetrachloro-1-fluoroethane, 1,1,2,2-	C2HCl4F	11	NA	ZR	ZR	ZR															
Tetrachloro-2,2-difluoroethane, 1,1,1,2-	C2Cl4F2	11	NA	ZR	ZR	ZR		100	100	847	847		500		4170			2000	500	4170	
Tetrachloro-2-fluoroethane, 1,1,1,2-	C2HCl4F	11	NA	ZR	ZR	ZR															
Tetrachloroethane, 1,1,1,2-	C2H2Cl4	11.1	0.6	ZR	ZR	ZR												ND			
Tetrachloroethane, 1,1,1,2,2-	C2H2Cl4	11.1	0.2	ZR	ZR	ZR						1		7				100	5	35	
Tetrachloroethylene	C2Cl4	9.326	0.31	0.700	1	0.69		100	50	689	345							150	100		
Tetrachloronaphthalenes, all isomers	C10H4Cl4	8.5	NA	1.000	NA	NA				4	2				2					2	
Tetraethyl orthosilicate	C8H20O4Si	9.8	0.2	2.000	1	ZR		30	10	260	87		10		85			700	100	850	
Tetraethyllead	C8H20Pb	11.1	0.2	ZR	ZR	ZR				450					0.075					0.075	
Tetrafluoroethane, 1,1,1,2-	C2H2F4	11	ZR	ZR	ZR	ZR			1000		4240										
Tetrafluoroethane, 1,1,2,2-	C2H2F4	11	ZR	ZR	ZR	ZR															
Tetrafluoroethylene	C2F4	10.12	1	1.000	NA	ZR															
Tetrafluoromethane	CF4	15.3	ZR	ZR	ZR	ZR															
Tetrahydrofuran	C4H8O	9.41	1	1.553	1.9	ZR		100	50	300	150	250	200	735	590			2000	200	590	
Tetramethyl orthosilicate	C4H12O4Si	11	NA	ZR	NA	NA		5	1	32	6.3		1		6			ND			
Tetramethyl succinonitrile	C8H12N2		NA	1.000	NA	NA		2	0.5	11	2.8		0.5		3			5	0.5	3	
Therminol	C7H8		0.51	1.000	0.9	0.54		2	5	1	1										
Thionyl chloride	SOCl2	10.96	NA	ZR	NA	NA		1		4.9						1	5	ND			
Toluene	C7H8	8.82	0.51	0.514	0.54	ZR	2.22	150	50	574	191	150	100	560	375			500	200		
Toluene-2,4-diisocyanate	C9H6N2O2	8.82	2	1.600	2	ZR												2.5			
Toluenesulphonyl chloride, p-	C7H7SO2Cl		NA	3.000	NA	NA				5											
Toluidine, o-	C7H9N	7.4	1	0.500	NA	ZR															
Tributyl phosphate	C12H27O4P		NA	5.000	NA	NA				5	5		0.2		2.5			30		5	
Tributylamine	C12H27N	7.4	NA	1.000	NA	NA															
Trichloro-1,1-difluoroethane, 1,2,2-	C2HCl3F2	11	NA	ZR	ZR	ZR															
Trichloro-1,2-difluoroethane, 1,1,2,2-	C2HCl3F2	11	NA	ZR	ZR	ZR															
Trichloro-2,2-difluoroethane, 1,1,1-	C2HCl3F2	11	NA	ZR	ZR	ZR															
Trichloro-2-fluoroethane, 1,1,2-	C2H2Cl3F	11	1	ZR	ZR	ZR															
Trichlorobenzene 1,2,4-	C6H3Cl3	9.04	NA	0.550	NA	NA		5	1							5		ND			
Trichloroethane, 1,1,1-	C2H3Cl3	11	1	ZR	ZR	ZR		200	100	1110	555					350	1900	700	350	1900	
Trichloroethane, 1,1,2-	C2H3Cl3	11	1	ZR	ZR	ZR						10			45			100	10	45	
Trichloroethylene	C2HCl3	9.45	0.43	0.650	0.62	ZR		150	100	820	550							1000	100		
Trichlorofluoromethane	CCl3F	11.77	NA	ZR	ZR	ZR		1250	1000	7140	5710					1000	5600	1000	5600		
Trichloronitromethane	CCl3NO2	13	NA	ZR	NA	NA		0.3	0.1	2.1	0.68										
Trichlorophenoxyacetic acid, 2,4,5-	C8H5O3Cl3		NA	1.000	NA	NA				20	10				10					10	
Trichloropropane 1,2,3-	C3H5Cl3	11	NA	ZR	ZR	ZR		75	50	460	306		10		60			100	50	300	
Trichlorotrifluoroethane, 1,1,1,1-	C2Cl3F3	11.5	2	ZR	ZR	ZR															
Trichlorotrifluoroethane, 1,1,2-	C2Cl3F3	11.99	2	ZR	ZR	ZR		1250	1000	9740	7790										
Triethylamine	C6H15N	7.5	0.65	0.900	0.95	1.5		4	2	17	8							200	25	100	
Trifluoroethane, 1,1,1-	C2H3F3	12.9	34	ZR	ZR	ZR															
Trifluoroethane, 1,1,2-	C2H3F3	12.9	34	ZR	ZR	ZR															
Trifluoroethanol, 2,2,2-	C2H3F3O	13	34	ZR	NA	ZR				500											
Trifluoromethane	CHF3	13.86	NA	ZR	ZR	ZR															
Trimethylamine	C3H9N	7.82	0.3	0.500	1	0.36		15	10	37	25	15	10	36	24			ND			
Trimethylbenzene mixtures	C9H12	8.41	0.3	0.340	0.36	1			25		125										
Trimethylbenzene, 1,3,5-	C9H12	8.39	0.32	0.340	0.36	1		100	250	500	100		25		125			ND			
Trinitrotoluene 2,4,6-	C7H5N3O6	10.59	NA	ZR	NA	NA					0.5										
Turpentine	C10H16	8	1	0.600	1	1		150	100	850	566		100		560			800	100	560	
TVOC		10	1	1.000																	
Undecane, n-	C11H24	9.56	1	0.920	1.2	ZR															
Vinyl acetate	C4H6O2	9.19	1	1.100	2	ZR		20	10	72	36					4	15	ND			
Vinyl bromide	C2H3Br	9.8	NA	1.000	2	ZR												ND			
Vinyl chloride	C2H3Cl	9.99	0.6	2.100	2	ZR			7			1						ND			
Vinyl-2-pyrrolidinone, 1-	C6H9NO	9	0.92	0.900	1	ZR															
Xylene mixed isomers	C8H10	8.56	NA	0.430	NA	ZR		100	50	441	220										
Xylene, m-	C8H10	8.56	0.4	0.440	0.5	ZR		100	50	441	220	150	100	655	435			900	100	435	
Xylene, o-	C8H10	8.56	0.69	0.600	0.57	ZR		100	50	441	220	150	100	655	435			900	100	435	
Xylene, p-	C8H10	8.44	0.62	0.460	1	4		100	50	441	220	150	100	655	435			900	100	435	
Xylidine, all	C8H11N	7.5	NA	0.700	NA	ZR		10	2	50	10		2		10			50	5	25	
Xylidine, all	C8H11N	7.5	NA	0.700	NA	ZR		10	2	50	10		2		10			50	5	25	