



Eagle 2 Detectable Gases:

Gas	Formula	CAS Number	Relative Response
Acetaldehyde	C ₂ H ₄ O	75-07-0	4.9
Acetic Acid	C ₂ H ₄ O ₂	64-17-7	36.2
Acetic Anhydride	C ₄ H ₆ O ₃	108-24-7	4.0
Acetone	C ₃ H ₆ O	67-64-1	0.7
Acetonitrile	CH ₃ CN	75-05-8	ZR
Acetylene	C ₂ H ₂	74-86-2	ZR
Acrolein	C ₃ H ₄ O	107-02-8	4.0
Acrylic Acid	C ₃ H ₄ O ₂	79-10-7	2.7
Acrylonitrile	C ₃ H ₃ N	107-13-1	ZR
Allyl alcohol	C ₃ H ₆ O	107-18-6	2.1
Allyl chloride	C ₃ H ₅ Cl	107-05-1	4.5
Ammonia	H ₃ N	7664-41-7	8.5
Amyl acetate, n-	C ₇ H ₁₄ O ₂	628-63-7	1.8
Amyl alcohol	C ₅ H ₁₂ O	71-41-0	3.2
Aniline	C ₆ H ₇ N	62-53-3	0.5
Anisole	C ₇ H ₈ O	100-66-3	0.5
Arsine	AsH ₃	7784-42-1	2.5
Asphalt, petroleum fumes		8052-42-4	1.0
Benzaldehyde	C ₇ H ₆ O	100-52-7	0.9
Benzene	C ₆ H ₆	71-43-2	0.5
Benzenethiol	C ₆ H ₅ SH	108-98-5	0.7
Benzonitrile	C ₇ H ₅ N	100-47-0	0.7
Benzyl alcohol	C ₇ H ₈ O	100-51-6	1.3
Benzyl chloride	C ₇ H ₇ Cl	100-44-7	0.6
Benzyl formate	C ₈ H ₈ O ₂	104-57-4	0.8
Biphenyl	C ₁₂ H ₁₀	92-52-4	0.4
Bis(2,3- epoxypropyl) ether	C ₆ H ₁₀ O ₃	2238-07-5	3.0
Boron trifluoride	BF ₃	7637-07-2	ZR
Bromine	Br ₂	7726-95-6	20.0
Bromine pentafluoride	BrF ₅	7789-30-2	ZR
Bromobenzene	C ₆ H ₅ Br	108-86-1	0.7
Bromochloromethane	CH ₂ ClBr	74-97-5	ZR
Bromoethane	C ₂ H ₅ Br	74-96-4	5.0
Bromoethyl methyl ether, 2-	C ₃ H ₇ OBr	6482-24-2	2.5
Bromoform	CHBr ₃	75-25-2	2.8
Bromopropane, 1-	C ₃ H ₇ Br	106-94-5	1.3
Bromotrifluoromethane	CF ₃ Br	75-63-8	ZR

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Gas	Formula	CAS Number	Relative Response
Butadiene	C ₄ H ₆	106-99-0	0.8
Butadiene diepoxide, 1,3-	C ₄ H ₆ O ₂	1464-53-5	4.0
Butane, n-	C ₄ H ₁₀	106-97-8	46.0
Butanol, 1-	C ₄ H ₁₀ O	71-36-3	4.0
Buten- 3-ol, 1-	C ₄ H ₈ O	598-32-3	1.2
Butene, 1-	C ₄ H ₈	106-98-9	1.3
Butoxyethanol, 2-	C ₆ H ₁₄ O ₂	111-76-2	1.1
Butyl acetate, n-	C ₆ H ₁₂ O ₂	123-86-4	2.4
Butyl acrylate, n-	C ₇ H ₁₂ O ₂	141-32-2	1.5
Butyl lactate	C ₇ H ₁₄ O ₃	138-22-7	2.5
Butyl mercaptan	C ₄ H ₁₀ S	109-79-5	0.5
Butylamine, 2-	C ₄ H ₁₁ N	513-49-5	0.9
Butylamine, n-	C ₄ H ₁₁ N	109-73-9	1.0
Camphene	C ₁₀ H ₁₆	565-00-4	0.5
Carbon dioxide	CO ₂	124-38-9	ZR
Carbon disulfide	CS ₂	75-15-0	1.4
Carbon monoxide	CO	630-08-0	ZR
Carbon tetrabromide	CBr ₄	558-13-4	3.0
Carbon tetrachloride	CCl ₄	56-23-5	ZR
Carbonyl sulphide	COS	463-58-1	ZR
Carvone, R-	C ₁₀ H ₁₄ O	6485-40-1	1.0
Chlorine	Cl ₂	7782-50-5	ZR
Chlorine dioxide	ClO ₂	10049-04-4	1.0
Chlorine trifluoride	ClF ₃	7790-91-2	ZR
Chloro-1,1,1,2-tetrafluoroethane, 2-	C ₂ HCIF ₄	2837-89-0	ZR
Chloro-1,1,1-trifluoroethane, 2-	C ₂ H ₂ ClF ₃	75-88-7	ZR
Chloro-1,1,2,2-tetrafluoroethane, 1-	C ₂ HCIF ₄	354-25-6	ZR
Chloro-1,1,2-trifluoroethane, 1-	C ₂ H ₂ ClF ₃	421-04-5	ZR
Chloro-1,1-difluoroethane, 1-	C ₂ H ₃ ClF ₂	75-68-3	ZR
Chloro-1,1-difluoroethane, 2-	C ₂ H ₃ ClF ₂	338-65-8	ZR
Chloro-1,2,2-trifluoroethane, 1-	C ₂ H ₂ ClF ₃	431-07-2	ZR
Chloro-1,3-butadiene, 2-	C ₄ H ₅ Cl	126-99-8	3.2
Chloro-1-fluoroethane, 1-	C ₂ H ₄ ClF	1615-75-4	ZR
Chloro-2-fluoroethane, 1-	C ₂ H ₄ ClF	762-50-5	ZR
Chloroacetaldehyde	C ₂ H ₃ OCl	107-20-0	ZR
Chlorobenzene	C ₆ H ₅ Cl	108-90-7	0.5
Chlorodifluoromethane	CHClF ₂	75-45-6	ZR
Chloroethane	C ₂ H ₅ Cl	75-00-3	ZR
Chloroethanol 2-	C ₂ H ₅ ClO	107-07-3	10.0
Chloroethyl methyl ether, 2-	C ₃ H ₇ ClO	627-42-9	2.6
Chlorofluoromethane	CH ₂ ClF	593-70-4	ZR

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Gas	Formula	CAS Number	Relative Response
Chloroform	CHCl ₃	67-66-3	ZR
Chloromethane	CH ₃ Cl	74-87-3	ZR
Chloropentafluoroethane	C ₂ ClF ₅	76-15-3	ZR
Chlorotoluene, o-	C ₇ H ₇ Cl	95-49-8	0.5
Chlorotoluene, p-	C ₇ H ₇ Cl	108-41-8	0.5
Chlorotrifluoroethylene	C ₂ ClF ₃	79-38-9	1.0
Chlorotrifluoromethane	CClF ₃	75-72-9	ZR
Citra!	C ₁₀ H ₁₆ O	5392-40-5	1.0
Citronellol	C ₁₀ H ₂₀ O	26489-01-0	1.0
Cresol, m-	C ₇ H ₈ O	108-39-4	1.1
Cresol, o-	C ₇ H ₈ O	95-48-7	1.1
Cresol, p-	C ₇ H ₈ O	106-44-5	1.1
Crotonaldehyde	C ₄ H ₆ O	4170-30-3	1.0
Cumene	C ₉ H ₁₂	98-82-8	0.6
Cyanamide	CH ₂ N ₂	420-04-2	ZR
Cyanogen bromide	CNBr	506-68-3	ZR
Cyanogen chloride	CNCl	506-77-4	ZR
Cyclohexane	C ₆ H ₁₂	110-82-7	1.3
Cyclohexanol	C ₆ H ₁₂ O	108-93-0	2.9
Cyclohexanone	C ₆ H ₁₀ O	108-94-1	1.1
Cyclohexene	C ₆ H ₁₀	110-83-8	0.8
Cyclohexylamine	C ₆ H ₁₃ N	108-91-8	1.0
Cyclopentane	C ₅ H ₁₀	287-92-3	4.0
Decane, n-	C ₁₀ H ₂₂	124-18-5	1.0
Diacetone alcohol	C ₆ H ₁₂ O ₂	123-42-2	0.8
Dibenzoyl peroxide	C ₁₄ H ₁₀ O ₄	94-36-0	0.8
Diborane	B ₂ H ₆	19287-45-7	ZR
Dibromochloromethane	CHBr ₂ Cl	124-48-1	10.0
Dibromodifluoromethane	CF ₂ Br ₂	75-61-6	ZR
Dibromoethane 1,2-	C ₂ H ₄ Br ₂	106-93-4	2.0
Dibromotetrafluoroethane, 1,2-	C ₂ F ₄ Br ₂	124-73-2	ZR
Dibutyl hydrogen phosphate	HC ₈ H ₁₈ PO ₄	107-66-4	4.0
Dichloro-1,1,1-trifluoroethane, 2,2-	C ₂ HCl ₂ F ₃	306-83-2	ZR
Dichloro-1,1-difluoroethane, 1,2-	C ₂ H ₂ Cl ₂ F ₂		ZR
Dichloro-1,2,2-trifluoroethane, 1,2-	C ₂ HCl ₂ F ₃	354-23-4	ZR
Dichloro-1,2-difluoroethane, 1,2-	C ₂ H ₂ Cl ₂ F ₂	631-06-1	ZR
Dichloro-1-fluoroethane, 1,1-	C ₂ H ₃ Cl ₂ F	1717-00-6	ZR
Dichloro-1-fluoroethane, 1,1-	C ₂ H ₃ Cl ₂ F	1717-00-6	ZR
Dichloro-1-fluoroethane, 1,2-	C ₂ H ₃ Cl ₂ F	430-57-9	ZR
Dichloro-1-propene, 2,3-	C ₃ H ₄ Cl ₂	78-88-6	1.4
Dichloro-2,2-difluoroethane, 1,1-	C ₂ H ₂ Cl ₂ F ₂	79-35-6	ZR

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Dichloroacetylene	C ₂ Cl ₂	7572-29-4	5.0
Dichlorobenzene o-	C ₆ H ₄ Cl ₂	95-50-1	0.5
Dichlorodifluoromethane	CCl ₂ F ₂	75-71-8	ZR
Dichloroethane 1,2-	C ₂ H ₄ Cl ₂	107-06-2	ZR
Dichloroethane, 1,1-	C ₂ H ₄ Cl ₂	75-34-3	ZR
Dichloroethene, 1,1-	C ₂ H ₂ Cl ₂	75-35-4	1.0
Dichloroethene, cis-1,2-	C ₂ H ₂ Cl ₂	156-59-2	0.8
Dichloroethene, trans-1,2-	C ₂ H ₂ Cl ₂	540-59-0	0.7
Dichloroethylene 1,2-	C ₂ H ₂ Cl ₂	540-59-0	0.8
Dichlorofluoromethane	CHFCl ₂	75-43-4	ZR
Dichloromethane	CH ₂ Cl ₂	75-09-2	39
Dichloropropane, 1,2-	C ₃ H ₆ Cl ₂	78-87-5	ZR
Dichlorotetrafluoroethane, 1,1-	C ₂ Cl ₂ F ₄	374-07-2	ZR
Dichlorotetrafluoroethane, 1,2-	C ₂ Cl ₂ F ₄	76-14-2	ZR
Dicyclopentadiene	C ₁₀ H ₁₂	77-73-6	0.9
Diesel Fuel		68334-30-5	0.8
Diethyl ether	C ₄ H ₁₀ O	60-29-7	0.9
Diethyl maleate	C ₈ H ₁₂ O ₄	141-05-9	2.0
Diethyl phthalate	C ₁₂ H ₁₄ O ₄	84-66-2	1.0
Diethyl sulphate	C ₄ H ₁₀ SO ₄	64-67-5	3.0
Diethyl sulphide	C ₄ H ₁₀ S	352-93-2	0.6
Diethylamine	C ₄ H ₁₁ N	109-89-7	1.0
Diethylaminoethanol, 2-	C ₆ H ₁₅ ON	100-37-8	2.7
Diethylaminopropylamine, 3-	C ₇ H ₁₈ N ₂	104-78-9	1.0
Difluoroethane, 1,1-	C ₂ H ₄ F ₂	75-37-6	ZR
Difluoroethane, 1,2-	C ₂ H ₄ F ₂	624-72-6	ZR
Difluoromethane	CH ₂ F ₂	75-10-5	ZR
Dihydrogen selenide	H ₂ Se	7783 07 5	1.0
Dihydroxybenzene, 1,2	C ₆ H ₆ O ₂	120-80-9	1.0
Dihydroxybenzene, 1,3	C ₆ H ₆ O ₂	108-46-3	1.0
Diisobutylene	C ₈ H ₁₆	107-39-1	0.6
Diisopropyl ether	C ₆ H ₁₄ O	108-20-3	0.7
Diisopropylamine	C ₆ H ₁₅ N	108-18-9	0.7
Diketene	C ₄ H ₄ O ₂	674-82-8	2.2
Dimethoxymethane	C ₃ H ₈ O ₂	109-87-5	1.4
Dimethyl cyclohexane, 1,2-	C ₈ H ₁₆	583-57-3	1.1
Dimethyl disulphide	C ₂ H ₆ S ₂	624-92-0	0.2
Dimethyl ether	C ₂ H ₆ O	115-10-6	1.3
Dimethyl phthalate	C ₁₀ H ₁₀ O ₄	131-11-3	1.0
Dimethyl sulphate	C ₂ H ₆ O ₄ S	77-78-1	ZR
Dimethylacetamide N,N-	C ₄ H ₉ NO	127-19-5	1.3

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Gas	Formula	CAS Number	Relative Response
Dimethylamine	C ₂ H ₇ N	124-40-3	1.4
Dimethylaminoethanol	C ₄ H ₁₁ NO	108-01-0	1.5
Dimethylaniline, NN-	C ₈ H ₁₁ N	121-69-7	0.6
Dimethylbutyl acetate	C ₈ H ₁₆ O ₂	108-84-9	1.6
Dimethylethylamine, NN-	C ₄ H ₁₁ N	598-56-1	0.8
Dimethylformamide	C ₃ H ₇ NO	68-12-2	0.9
Dimethylheptan-4-one, 2,6-	C ₉ H ₁₈ O	108-83-8	0.8
Dimethylhydrazine, 1,1-	C ₂ H ₈ N ₂	57-14-7	1.0
Dinitrobenzene, m-	C ₆ H ₄ N ₂ O ₄	99-65-0	3.0
Dinitrobenzene, o-	C ₆ H ₄ N ₂ O ₄	528-29-0	ZR
Dinitrobenzene, p-	C ₆ H ₄ N ₂ O ₄	100-25-4	5.0
Dinonyl phthalate	C ₂₆ H ₄₂ O ₄	84-76-4	1.0
Dioxane 1,2-	C ₄ H ₈ O ₂		1.5
Dioxane 1,4-	C ₄ H ₈ O ₂	123-91-1	1.5
Dipentene	C ₁₀ H ₁₆	138-86-3	0.9
Diphenyl ether	C ₁₂ H ₁₀ O	101-84-8	0.8
Disulphur decafluoride	S ₂ F ₁₀	5714-22-7	ZR
Disulphur dichloride	S ₂ Cl ₂	10025-67-9	3.0
Di-tert-butyl-p-cresol	C ₁₁ H ₁₆ O	2409-55-4	1.0
Divinylbenzene	C ₁₀ H ₁₀	1321-74-0	0.4
Dodecanol	C ₁₂ H ₂₆ O	112-53-8	0.9
Enflurane	C ₄ H ₂ F ₅ ClO	13838-16-9	ZR
Epichlorohydrin	C ₃ H ₅ ClO	106-89-8	8.0
Epoxypropyl isopropyl ether, 2,3-	C ₆ H ₁₂ O ₂	4016-14-2	1.1
Ethane	C ₂ H ₆	74-84-0	ZR
Ethanol	C ₂ H ₆ O	64-17-5	8.7
Ethanolamine	C ₂ H ₇ NO	141-43-5	3.0
Ethoxy-2-propanol, 1-	C ₅ H ₁₀ O ₂		2.0
Ethoxyethanol, 2-	C ₄ H ₁₀ O ₂	110-80-5	29.8
Ethoxyethyl acetate, 2-	C ₆ H ₁₂ O ₃	111-15-9	3.0
Ethyl (S)-(-)-lactate	C ₅ H ₁₀ O ₃	97-64-3	3.0
Ethyl acetate	C ₄ H ₈ O ₂	141-78-6	3.6
Ethyl acrylate	C ₅ H ₈ O ₂	140-88-5	2.0
Ethyl amine	C ₂ H ₇ N	75-04-7	1.0
Ethyl benzene	C ₈ H ₁₀	100-41-4	0.5
Ethyl butyrate	C ₆ H ₁₂ O ₂	105-54-4	1.0
Ethyl chloroformate	C ₃ H ₅ O ₂ Cl	541-41-3	83.0
Ethyl cyanoacrylate	C ₆ H ₇ O ₂ N	7085-85-0	1.5
Ethyl decanoate	C ₁₂ H ₂₄ O ₂	110-38-3	1.8
Ethyl formate	C ₃ H ₆ O ₂	109-94-4	29.8
Ethyl hexanoate	C ₈ H ₁₆ O ₂	123-66-0	2.6

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Ethyl hexanol, 2-	C ₈ H ₁₈ O	105-76-7	1.5
Ethyl hexyl acrylate, 2-	C ₁₁ H ₂₀ O ₂	103-11-7	1.0
Ethyl mercaptan	C ₂ H ₆ S	75-08-1	0.7
Ethyl octanoate	C ₁₀ H ₂₀ O ₂	106-32-1	2.3
Ethylene	C ₂ H ₄	74-85-1	8.0
Ethylene dinitrate	C ₂ H ₄ O ₆ N ₂	628-96-6	ZR
Ethylene glycol	C ₂ H ₆ O ₂	107-21-1	20.0
Ethylene oxide	C ₂ H ₄ O	75-21-8	15.0
Ferrocene	C ₁₀ H ₁₀ Fe	102-54-5	0.8
Fluorine	F ₂	7782-41-4	ZR
Fluoroethane	C ₂ H ₅ F	353-33-6	ZR
Fluoromethane	CH ₃ F	593-53-3	ZR
Formaldehyde	CH ₂ O	50-00-0	ZR
Formamide	CH ₃ ON	75-12-7	2.0
Formic acid	CH ₂ O ₂	64-18-6	ZR
Furfural	C ₅ H ₄ O ₂	98-01-1	1.4
Furfuryl alcohol	C ₅ H ₆ O ₂	98-00-0	2.0
Gasoline vapors		8006-61-9	0.8
Gasoline vapors 92 octane		8006-61-9	0.8
Germane	GeH ₄	7782-65-2	10.0
Glutaraldehyde	C ₅ H ₈ O ₂	111-30-8	0.9
Halothane	CF ₃ CHBrCl	151-67-7	ZR
Helium	He		ZR
Heptan-2-one	C ₇ H ₁₄ O	110-43-0	0.7
Heptan-3-one	C ₇ H ₁₄ O	106-35-4	0.8
Heptane n-	C ₇ H ₁₆	142-82-5	2.1
Hexachloroethane	C ₂ Cl ₆	67-72-1	ZR
Hexafluoroethane	C ₂ F ₆	76-16-4	ZR
Hexamethyldisilazane, 1,1,1,3,3,3-	C ₆ H ₁₉ NSi ₂	999-97-3	1.0
Hexamethyldisiloxane.	C ₆ H ₁₈ OSi ₂	107-46-0	0.3
Hexan-2-one	C ₆ H ₁₂ O	591-78-6	0.8
Hexane n-	C ₆ H ₁₄	110-54-3	4.2
Hexene, 1-	C ₆ H ₁₂	592-41-6	0.9
Hydrazine	H ₄ N ₂	302-01-2	3.0
Hydrazoic acid	HN ₃	7782-79-8	ZR
Hydrogen	H ₂	1333-74-0	ZR
Hydrogen bromide	HBr	10035-10-6	ZR
Hydrogen chloride	HCl	7647-01-0	ZR
Hydrogen cyanide	HCN	74-90-8	ZR
Hydrogen fluoride	HF	7664-39-3	ZR
Hydrogen peroxide	H ₂ O ₂	7722-84-1	4.0

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Gas	Formula	CAS Number	Relative Response
Hydrogen sulfide	H ₂ S	7783-06-4	4.0
Hydroquinone	C ₆ H ₆ O ₂	123-31-9	0.8
Hydroxypropyl acrylate 2-	C ₆ H ₁₀ O ₃	999-61-1	1.5
Iminodi(ethylamine) 2,2-	C ₄ H ₁₃ N ₃	111-40-0	0.9
Iminodiethanol2,2'-	C ₄ H ₁₁ NO ₂	111-42-2	1.6
Indene	C ₉ H ₈	95-13-6	0.5
Iodine	I ₂	7553-56-2	0.2
Iodoform	CHI ₃	75-47-8	1.5
Iodomethane	CH ₃ I	74-88-4	0.4
Isoamyl acetate	C ₇ H ₁₄ O ₂	123-92-2	1.6
Isobutane	C ₄ H ₁₀	75-28-5	8.0
Isobutanol	C ₄ H ₁₀ O	78-83-1	3.5
Isobutyl acetate	C ₆ H ₁₂ O ₂	110-19-0	2.3
Isobutyl acrylate	C ₇ H ₁₂ O ₂	106-63-8	1.3
Isobutylene	C ₄ H ₈	115-11-7	1.0
Isobutyraldehyde	C ₄ H ₈ O	78-84-2	1.2
Isocyanates, all			NV
Isodecanol	C ₁₀ H ₂₂ O	25339-17-7	0.9
Isoflurane	C ₃ H ₂ ClF ₅ O	26675-46-7	ZR
Isononanol	C ₉ H ₂₀ O	2452-97-9	1.5
Isocane	C ₈ H ₁₈	565-75-3	1.1
Isocanol	C ₈ H ₁₈ O	26952-21-6	1.7
Isopentane	C ₅ H ₁₂	78-78-4	6.0
Isophorone	C ₉ H ₁₄ O	78-59-1	0.8
Isoprene	C ₅ H ₈	78-79-5	0.7
Isopropanol	C ₃ H ₈ O	67-63-0	4.4
Isopropyl acetate	C ₅ H ₁₀ O ₂	108-21-4	2.2
Isopropyl chloroformate	C ₄ H ₇ O ₂ Cl	108-23-6	1.6
Jet Fuel JP-4			0.8
Jet Fuel JP-5			0.7
Jet Fuel JP-8			0.7
Kerosene		8008-20-6	0.8
Ketene	C ₂ H ₂ O	463-51-4	3.0
Liquefied petroleum gas		68476-85-7	ZR
Maleic anhydride	C ₄ H ₂ O ₃	108-31-6	2.0
Mercaptoacetic acid	C ₂ H ₄ O ₂ S	68-11-1	1.0
Mercury	Hg	7439-97-6	NV
Mercury alkyls			NV
Mesitylene	C ₉ H ₁₂	108-67-8	0.3
Methacrylic acid	C ₄ H ₆ O ₂	79-41-4	2.3
Methacrylonitrile	C ₄ H ₅ N	126-98-7	5.0

Eagle 2 Detectable Gases:

Gas	Formula	CAS Number	Relative Response
Methane	CH ₄	74-82-8	ZR
Methanol	CH ₄ O	67-56-1	200.0
Methoxyethanol, 2-	C ₃ H ₈ O ₂	109-86-4	2.7
Methoxyethoxyethanol, 2-	C ₅ H ₁₂ O ₃	111-77-3	1.4
Methoxymethylethoxy-2-propanol	C ₇ H ₁₆ O ₃	34590-94-8	1.3
Methoxypropan-2-ol	C ₄ H ₁₀ O ₂	107-98-2	3.0
Methoxypropyl acetate	C ₆ H ₁₂ O ₃	108-65-6	1.2
Methyl acetate	C ₃ H ₆ O ₂	79-20-9	5.2
Methyl acrylate	C ₄ H ₆ O ₂	96-33-3	3.4
Methyl bromide	CH ₃ Br	74-83-9	1.9
Methyl cyanoacrylate	C ₅ H ₅ O ₂ N	137-05-3	5.0
Methyl ethyl ketone	C ₄ H ₈ O	78-93-3	0.8
Methyl ethyl ketone peroxides	C ₈ H ₁₈ O ₂	1338-23-4	0.8
Methyl formate	C ₂ H ₄ O ₂	107-31-3	ZR
Methyl isobutyl ketone	C ₆ H ₁₂ O	108-10-1	0.8
Methyl isocyanate	C ₂ H ₃ NO	624-83-9	ZR
Methyl isothiocyanate	C ₂ H ₃ NS	556-61-6	0.6
Methyl mercaptan	CH ₄ S	74-93-1	0.7
Methyl methacrylate	C ₅ H ₈ O ₂	80-62-6	1.6
Methyl salicylate	C ₈ H ₈ O ₃	119-36-8	1.2
Methyl sulphide	C ₂ H ₆ S	75-18-3	0.5
Methyl t-butyl ether	C ₅ H ₁₂ O		0.8
Methyl-2-propen-1-ol, 2-	C ₄ H ₈ O	51-42-8	1.1
Methyl-2-pyrrolidinone, N-	C ₅ H ₉ NO	872-50-4	0.9
Methyl-4,6-dinitrophenol, 2-	C ₇ H ₆ N ₂ O ₅	534-52-1	3.0
Methyl-5-hepten-2-one, 6-	C ₈ H ₁₄ O	110-93-0	0.8
Methylamine	CH ₅ N	74-89-5	1.4
Methylbutan-1-ol, 3-	C ₅ H ₁₂ O	123-51-3	3.4
Methylcyclohexane	C ₇ H ₁₄	108-87-2	1.1
Methylcyclohexanol, 4-	C ₇ H ₁₄ O	589-91-3	2.4
Methylcyclohexanone 2-	C ₇ H ₁₂ O	583-60-8	1.0
Methylheptan-3-one, 5-	C ₈ H ₁₆ O	541-85-5	0.8
Methylhexan-2-one, 5-	C ₇ H ₁₄ O	110-12-3	0.8
Methylhydrazine	CH ₆ N ₂	60-34-4	1.3
Methyl-N-2,4, 6-tetranitroaniline, N-	C ₇ H ₅ N ₅ O ₈	479-45-8	3.0
Methylpent-3-en-2-one, 4-	C ₆ H ₁₀ O	141-79-7	0.7
Methylpentan-2-ol, 4-	C ₆ H ₁₄ O	108-11-2	2.8
Methylpentane-2,4-diol, 2-	C ₆ H ₁₄ O ₂	107-41-5	4.0
Methylpropan-2-ol, 2-	C ₄ H ₁₀ O	75-65-0	3.5
Methylstyrene	C ₉ H ₁₀	25013-15-4	0.5
Mineral oil		8042-47-5	0.8

Eagle 2 Detectable Gases:

Gas	Formula	CAS Number	Relative Response
Mineral spirits		64475-85-0	0.8
Naphthalene	C ₁₀ H ₈	91-20-3	0.4
Nitric oxide	NO	10102-43-9	8.0
Nitroaniline 4-	C ₆ H ₆ N ₂ O ₂	100-01-6	0.8
Nitrobenzene	C ₆ H ₅ NO ₂	98-95-3	1.7
Nitroethane	C ₂ H ₅ NO ₂	79-24-3	ZR
Nitrogen dioxide	NO ₂	10102-44-0	10.0
Nitrogen trichloride	NCl ₃	10025-85-1	1.0
Nitrogen trifluoride	NF ₃	7783-54-2	ZR
Nitromethane	CH ₃ NO ₂	75-52-5	ZR
Nitropropane, 1-	C ₃ H ₇ NO ₂	108-03-2	ZR
Nitropropane, 2-	C ₃ H ₇ NO ₂	79-46-9	ZR
Nitrous oxide	N ₂ O	10024-97-2	ZR
Nonane, n-	C ₉ H ₂₀	111-84-2	1.3
Norbornadiene, 2,5-	C ₇ H ₈	121-46-0	0.6
Octachloronaphthalene	C ₁₀ Cl ₈	2234-13-1	1.0
Octane, n-	C ₈ H ₁₈	111-65-9	1.6
Octene, 1-	C ₈ H ₁₆	111-66-0	0.7
Oxalic acid	C ₂ H ₂ O ₄	144-62-7	ZR
Oxalonitrile	C ₂ N ₂	460-19-5	ZR
Oxvdiethanol 2,2-	C ₄ H ₁₀ O ₃	111-46-6	4.0
Oxygen	O ₂		ZR
Ozone	O ₃	10028-15-6	ZR
Paraffin wax, fume		8002-74-2	1.0
Paraffins, normal		64771-72-8	1.0
Pentacarbonyl iron	FeC ₅ O ₅	13463-40-6	1.0
Pentachloroethane	C ₂ HCl ₅	76-01-7	ZR
Pentachlorofluoroethane	C ₂ Cl ₅ F	354-56-3	ZR
Pentafluoroethane	C ₂ HF ₅	354-33-6	ZR
Pentan-2-one	C ₅ H ₁₀ O	107-87-9	0.8
Pentan-3-one	C ₅ H ₁₀ O	96-22-0	0.8
Pentandione, 2,4-	C ₅ H ₈ O ₂	123-54-6	0.8
Pentane, n-	C ₅ H ₁₂	109-66-0	7.9
Peracetic acid	C ₂ H ₄ O ₃	79-21-0	2.0
Perchloryl fluoride	ClO ₃ F	7616-94-6	ZR
Perfluoropropane	C ₃ F ₈	76-19-7	ZR
Petroleum ether			0.9
Phenol	C ₆ H ₆ O	108-95-2	1.2
Phenyl propene, 2-	C ₉ H ₁₀	98-83-9	0.4
Phenyl-2,3-epoxypropyl ether	C ₉ H ₁₀ O ₂	122-60-1	0.8
Phenylenediamine, p-	C ₆ H ₈ N ₂	106-50-3	0.6

Eagle 2 Detectable Gases:

Gas	Formula	CAS Number	Relative Response
Phosgene	COCl ₂	75-44-5	ZR
Phosphine	PH ₃	7803-51-2	2.0
Picoline, 3-	C ₆ H ₇ N	108-99-6	0.9
Pinene, alpha	C ₁₀ H ₁₆	80-56-8	0.3
Pinene, beta	C ₁₀ H ₁₆	127-91-3	0.3
Piperidine	C ₅ H ₁₁ N	110-89-4	0.9
Piperylene	C ₅ H ₈	504-60-9	0.7
Prop-2-yn-1-ol	C ₃ H ₄ O	107-19-7	1.3
Propan-1-ol	C ₃ H ₈ O	71-23-8	4.8
Propane	C ₃ H ₈	74-98-6	ZR
Propane-1,2-diol, total	C ₃ H ₈ O ₂	57-55-6	10.0
Propene	C ₃ H ₆	115-07-1	1.4
Propionaldehyde	C ₃ H ₆ O	123-38-6	1.7
Propionic acid	C ₃ H ₆ O ₂	79-09-4	8.0
Propyl acetate, n-	C ₅ H ₁₀ O ₂	109-60-4	2.5
Propylene dinitrate	C ₃ H ₆ N ₂ O ₆	6423-43-4	ZR
Propylene oxide	C ₃ H ₆ O	75-56-9	7.0
Propyleneimine	C ₃ H ₇ N	75-55-8	1.3
Pyridine	C ₅ H ₅ N	110-86-1	0.8
Pyridylamine 2-	C ₅ H ₆ N ₂	504-29-0	0.8
Silane	SiH ₄	7803-62-5	ZR
Sodium fluoroacetate	C ₂ H ₂ O ₂ FNa	62-74-8	ZR
Styrene	C ₈ H ₈	100-42-5	0.4
Sulphur dioxide	SO ₂	7446-09-5	ZR
Sulphur hexafluoride	SF ₆	2551-62-4	ZR
Sulphur tetrafluoride	SF ₄	7783-60-0	ZR
Sulphuric acid	H ₂ SO ₄	7664-93-9	ZR
Sulphuryl fluoride	SO ₂ F ₂	2699-79-8	ZR
Terphenyls	C ₁₈ H ₁₄		0.6
Terpinolene	C ₁₀ H ₁₆	586-62-9	0.5
Tert-butanol	C ₄ H ₁₀ O	75-65-0	2.6
Tetrabromoethane, 1,1,2,2-	C ₂ H ₂ Br ₄	79-27-6	2.0
Tetracarbonylnickel	NiC ₄ O ₄	13463-39-3	1.0
Tetrachloro-1,2-difluoroethane, 1,1,2,2-	C ₂ Cl ₄ F ₂	76-12-0	ZR
Tetrachloro-1- fluoroethane, 1,1,2,2-	C ₂ HCl ₄ F	354-14-3	ZR
Tetrachloro-2,2-difluoroethane, 1,1,1,2-	C ₂ Cl ₄ F ₂	76-11-9	ZR
Tetrachloro-2- fluoroethane, 1,1,1,2-	C ₂ HCl ₄ F	354-11-0	ZR
Tetrachloroethane, 1,1,1,2-	C ₂ H ₂ Cl ₄	630-20-6	ZR
Tetrachloroethane, 1,1,2,2-	C ₂ H ₂ Cl ₄	79-34-5	ZR
Tetrachloroethylene	C ₂ Cl ₄	127-18-4	0.7
Tetrachloronaphthalenes, all isomers	C ₁₀ H ₄ Cl ₄	20020-02-4	1.0

Eagle 2 Detectable Gases:

Gas	Formula	CAS Number	Relative Response
Tetraethyl orthosilicate	C ₈ H ₂₀ O ₄ Si	78-10-4	2.0
Tetraethyllead	C ₈ H ₂₀ Pb	78-00-2	ZR
Tetrafluoroethane, 1,1,1,2-	C ₂ H ₂ F ₄	811-97-2	ZR
Tetrafluoroethane, 1,1,2,2-	C ₂ H ₂ F ₄	359-35-3	ZR
Tetrafluoroethylene	C ₂ F ₄	116-14-3	1.0
Tetrafluoromethane	CF ₄	75-73-0	ZR
Tetrahydrofuran	C ₄ H ₈ O	109-99-9	1.6
Tetramethyl orthosilicate	C ₄ H ₁₂ O ₄ Si	681-84-5	ZR
Tetramethyl succinonitrile	C ₈ H ₁₂ N ₂	3333-52-6	1.0
Therminol			1.0
Thionyl chloride	SOCl ₂	7719-09-7	ZR
Toluene	C ₇ H ₈	108-88-3	0.5
Toluene-2,4-diisocyanate	C ₉ H ₆ N ₂ O ₂	584-84-9	1.6
Toluenesulphonyl chloride, p-	C ₇ H ₇ SO ₂ Cl	98-59-9	3.0
Toluidine, o-	C ₇ H ₉ N	95-53-4	0.5
Tributyl phosphate	C ₁₂ H ₂₇ O ₄ P	126-73-8	5.0
Tributylamine	C ₁₂ H ₂₇ N	102-82-9	1.0
Trichloro-1,1-difluoroethane, 1,2,2-	C ₂ HCl ₃ F ₂	354-21-2	ZR
Trichloro-1,2-difluoroethane, 1,1,2-	C ₂ HCl ₃ F ₂	354-15-4	ZR
Trichloro-2,2-difluoroethane, 1,1,1-	C ₂ HCl ₃ F ₂	354-12-1	ZR
Trichloro-2-fluoroethane, 1,1,2-	C ₂ H ₂ Cl ₃ F	359-28-4	ZR
Trichlorobenzene 1,2,4-	C ₆ H ₃ Cl ₃	120-82-1	0.6
Trichloroethane, 1,1,1-	C ₂ H ₃ Cl ₃	71-55-6	ZR
Trichloroethane, 1,1,2-	C ₂ H ₃ Cl ₃	79-00-5	ZR
Trichloroethylene	C ₂ HCl ₃	79-01-6	0.7
Trichlorofluoromethane	CCl ₃ F	75-69-4	ZR
Trichloronitromethane	CCl ₃ NO ₂	76-06-2	ZR
Trichlorophenoxyacetic acid, 2,4,5-	C ₈ H ₅ O ₃ Cl ₃	93-76-5	1.0
Trichloropropane 1,2,3-	C ₃ H ₅ Cl ₃	96-18-4	ZR
Trichlorotrifluoroethane, 1,1,1-	C ₂ Cl ₃ F ₃	354-58-5	ZR
Trichlorotrifluoroethane, 1,1,2-	C ₂ Cl ₃ F ₃	76-13-1	ZR
Triethylamine	C ₆ H ₁₅ N	121-44-8	0.9
Trifluoroethane, 1,1,1-	C ₂ H ₃ F ₃	420-46-2	ZR
Trifluoroethane, 1,1,2-	C ₂ H ₃ F ₃	430-66-0	ZR
Trifluoroethanol, 2,2,2-	C ₂ H ₃ F ₃ O	75-89-8	ZR
Trifluoromethane	CHF ₃	75-46-7	ZR
Trimethylamine	C ₃ H ₉ N	53-50-3	0.5
Trimethylbenzene mixtures	C ₉ H ₁₂		0.3
Trimethylbenzene, 1,3,5-	C ₉ H ₁₂	108-67-8	0.3
Trinitrotoluene 2,4,6-	C ₇ H ₅ N ₃ O ₆	118-96-7	ZR
Turpentine	C ₁₀ H ₁₆	8006-64-2	0.6

Eagle 2 Detectable Gases:

Gas	Formula	CAS Number	Relative Response
TVOC			1.0
Undecane, n-	C ₁₁ H ₂₄	1120-21-4	0.9
Vinyl acetate	C ₄ H ₆ O ₂	108-05-2	1.1
Vinyl bromide	C ₂ H ₃ Br	593-60-2	1.0
Vinyl chloride	C ₂ H ₃ Cl	75-01-4	2.1
Vinyl-2-pyrrolidinone, 1-	C ₆ H ₉ NO	88-12-0	0.9
Xylene mixed isomers	C ₈ H ₁₀	1330-20-7	0.4
Xylene, m-	C ₈ H ₁₀	108-38-3	0.4
Xylene, o-	C ₈ H ₁₀	95-47-6	0.6
Xylene, p-	C ₈ H ₁₀	106-42-3	0.6
Xylidine, all	C ₈ H ₁₁ N	1300-73-8	0.7



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