



Opgal EyeCGas Optical Gas Imaging (OGI) Camera

Compound detection list

Compounds detectable by the Opgal™ EyeCGas™ Multi Optical Gas Imaging Camera

CAS	Chemical name	MDLR* [g/hr]
431-89-0	1,1,1,2,3,3,3-Heptafluoropropane	110
630-20-6	1,1,1,2-Tetrachloroethane	32
75-68-3	1,1,1-Chlorodifluoroethane	7.5
71-55-6	1,1,1-Trichloroethane	12
421-50-1	1,1,1-Trifluoroacetone	10
420-46-2	1,1,1-Trifluoroethane	6.0
354-14-3	1,1,2,2-Tetrachloro-1-fluoroethane	140
79-34-5	1,1,2,2-Tetrachloroethane	35
79-00-5	1,1,2-Trichloroethane	12
1717-00-6	1,1-Dichloro-1-fluoroethane	10
75-34-3	1,1-Dichloroethane	3.9
75-35-4	1,1-Dichloroethene	28
471-43-2	1,1-Difluoro-2,2-dichloroethane	19
75-37-6	1,1-Difluoroethane	1.7
57-14-7	1,1-Dimethylhydrazine	0.70
119-64-2	1,2,3,4-Tetrahydronaphthalene	0.76
488-23-3	1,2,3,4-Tetramethylbenzene	0.74
527-53-7	1,2,3,5-Tetramethylbenzene	0.75
120-82-1	1,2,4-Trichlorobenzene	30
96-12-8	1,2-Dibromo-3-chloropropane	19
354-23-4	1,2-Dichloro-1,1,2-trifluoroethane	93
430-57-9	1,2-Dichloro-1-fluoroethane	8.7
107-06-2	1,2-Dichloroethane	4.8
540-59-0	1,2-Dichloroethene	12
78-87-5	1,2-Dichloropropane	2.4
431-06-1	1,2-Difluoro-1,2-dichloroethane	22
110-71-4	1,2-Dimethoxyethane	0.53
122-66-7	1,2-Diphenylhydrazine	3.1
106-89-8	1,2-Epoxy-3-chloropropane	2.0

*Minimum detected leak rate

Compounds detectable by the Opgal™ EyeCGas™ Multi Optical Gas Imaging Camera continued

CAS	Chemical name	MDLR* [g/hr]
106-88-7	1,2-Epoxybutane	0.59
75-56-9	1,2-Epoxypropane	0.63
108-67-8	1,3,5-Trimethylbenzene	0.80
106-99-0	1,3-Butadiene	0.88
142-28-9	1,3-Dichloropropane	2.3
542-75-6	1,3-Dichloropropene	6.7
1120-71-4	1,3-Propane sultone	3.7
106-46-7	1,4-Dichlorobenzene(p)	12
123-91-1	1,4-Dioxane	0.94
106-94-5	1-Bromopropane	1.9
25167-67-3	1-Butene	0.32
107-00-6	1-Butyne	0.63
354-25-6	1-Chloro-1,1,2,2-tetrafluoroethane	72
513-36-0	1-Chloro-2-methylpropane	0.85
3547-04-4	1-Chloro-4-[1-(4-chlorophenyl)ethyl]benzene	4.0
109-69-3	1-Chlorobutane	0.83
543-59-9	1-Chloropentane	0.80
373-14-8	1-Fluorohexane	0.65
111-70-6	1-Heptanol	0.48
142-62-1	1-Hexanoic, acid	1.0
111-27-3	1-Hexanol	0.64
592-41-6	1-Hexene	0.46
108-03-2	1-Nitropropane	1.1
124-11-8	1-Nonene	0.56
111-66-0	1-Octene	0.53
109-67-1	1-Pentene	0.52
71-23-8	1-Propanol	0.57
75-89-8	2,2,2-Trifluoroethanol	11
144-19-4	2,2,4-Trimethyl-1,3-pentanediol	0.84
107-40-4	2,2,4-Trimethyl-2-pentene	0.53
306-83-2	2,2-Dichloro-1,1,1-trifluoroethane	96
75-83-2	2,2-Dimethyl butane	0.33
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	51
431-03-8	2,3-Butanedione	2.0
78-88-6	2,3-Dichloro-1-propene	4.6
79-29-8	2,3-Dimethylbutane	0.46
107-39-1	2,4,4-Trimethyl-1-pentene	0.54
95-95-4	2,4,5-Trichlorophenol	75
88-06-2	2,4,6-Trichlorophenol	75
94-75-7	2,4-D, salts and esters	16
584-84-9	2,4-Diisocyanatetoluene	4.3
51-28-5	2,4-Dinitrophenol	30
121-14-2	2,4-Dinitrotoluene	8.0
95-80-7	2,4-Toluene diamine	3.8
87-62-7	2,6-Dimethylaniline	1.1
75-26-3	2-Bromopropane	1.9

*Minimum detected leak rate



Compounds detectable by the Opgal™ EyeCGas™ Multi Optical Gas Imaging Camera continued

CAS	Chemical name	MDLR* [g/hr]
107-01-7	2-Butene	0.40
111-76-2	2-Butoxyethanol	0.60
554-61-0	2-Carene	0.69
75-88-7	2-Chloro-1,1,1-trifluoroethane	18
532-27-4	2-Chloroacetophenone	4.4
107-07-3	2-Chloroethanol	2.3
628-34-2	2-Chloroethyl ether	1.1
75-29-6	2-Chloropropane	0.94
95-49-8	2-Chlorotoluene	2.0
111-15-9	2-Ethoxyethyl acetate	1.0
104-76-7	2-Ethyl-1-hexanol	0.70
611-14-3	2-Ethyltoluene	0.76
371-62-0	2-Fluoroethanol	1.5
138495-42-8	2H 3H-Perfluoropentane	69
626-93-7	2-Hexanol	0.64
591-78-6	2-Hexanone	0.50
558-17-8	2-Iodo-2-methylpropane	2.2
75-30-9	2-Iodopropane	3.4
109-86-4	2-Methoxyethanol	0.82
563-46-2	2-Methyl-1-butene	0.43
763-29-1	2-Methyl-1-pentene	0.47
78-84-2	2-Methyl-1-propanal	0.68
513-44-0	2-Methyl-1-propanethiol	0.84
78-85-3	2-Methyl-2-propanal	1.1
534-22-5	2-Methylfuran	1.4
79-46-9	2-Nitropropane	1.0
821-55-6	2-Nonanone	0.73
3777-69-3	2-Pentylfuran	0.94
109-06-8	2-Picoline	1.2
100-69-6	2-Vinylpyridine	1.5
91-94-1	3,3-Dichlorobenzidine	15
119-90-4	3,3-Dimethoxybenzidine	3.7
119-93-7	3,3'-Dimethyl benzidine	2.9
760-23-6	3,4-Dichloro-1-butene	3.0
108-41-8	3-Chlorotoluene	1.7
620-14-4	3-Ethyltoluene	0.75
563-45-1	3-Methyl-1-butene	0.44
565-61-7	3-Methyl-2-pentanone	0.66
930-27-8	3-methylfuran	1.3
589-34-4	3-Methylhexane	0.50
96-14-0	3-Methylpentane	0.46
584-02-1	3-Pentanol	0.60
108-99-6	3-Picoline	1.1
101-77-9	4,4'-Methylenedianiline	3.6
534-52-1	4,6-Dinitro-o-cresol, and salts	13
92-67-1	4-Aminobiphenyl	2.6

*Minimum detected leak rate



Compounds detectable by the Opgal™ EyeCGas™ Multi Optical Gas Imaging Camera continued

CAS	Chemical name	MDLR* [g/hr]
106-43-4	4-Chlorotoluene	2.0
622-96-8	4-Ethyltoluene	0.76
626-89-1	4-Methyl-1-pentanol	0.68
691-37-2	4-Methyl-1-pentene	0.47
92-93-3	4-Nitrobiphenyl	4.4
100-02-7	4-Nitrophenol	10
108-89-4	4-Picoline	1.1
100-40-3	4-Vinyl-1-cyclohexene	0.67
623-93-8	5-Nonanol	0.74
60-35-5	Acetamide	3.5
64-19-7	Acetic acid	3.3
6993-75-5	Acetic acid dimer	2.0
108-24-7	Acetic anhydride	2.7
116-09-6	Acetol	1.7
67-64-1	Acetone	1.1
75-86-5	Acetone cyanohydrin	1.4
75-05-8	Acetonitrile	2.6
98-86-2	Acetophenone	2.1
75-36-5	Acetyl chloride	6.2
75-07-0	Acetaldehyde	1.5
74-86-2	Acetylene	17
107-02-8	Acrolein	1.8
79-10-7	Acrylic acid	7.1
814-68-6	Acryloyl chloride	7.7
107-13-1	Acrylonitrile	4.7
463-49-0	Allene	0.90
107-18-6	Allyl alcohol	0.88
106-95-6	Allyl bromide	3.5
107-05-1	Allyl chloride	1.6
818-92-8	Allyl fluoride	0.94
556-56-9	Allyl iodide	5.6
57-06-7	Allyl isothiocyanate	2.3
7785-26-4	alpha-Pinene (-)	0.70
1002-16-0	Amyl nitrate	1.1
62-53-3	Aniline	2.0
100-52-7	Benzaldehyde	2.1
71-43-2	Benzene	1.3
108-98-5	Benzenethiol	2.9
92-87-5	Benzidine	4.7
100-47-0	Benzonitrile	3.0
98-07-7	Benzotrichloride	13
100-51-6	Benzyl alcohol	1.3
100-39-0	Benzyl bromide	3.5
100-44-7	Benzyl chloride	2.1
18172-67-3	beta-Pinene	0.70
57-57-8	beta-Propiolactone	3.0

*Minimum detected leak rate



Compounds detectable by the Opgal™ EyeCGas™ Multi Optical Gas Imaging Camera continued

CAS	Chemical name	MDLR* [g/hr]
92-52-4	Biphenyl	2.2
111-44-4	bis(2-Chloroethyl) ether	2.0
117-81-7	Bis(2-ethylhexyl)phthalate (DEHP)	1.0
542-88-1	Bis(chloromethyl)ether	7.2
74-97-5	Bromochloromethane	23
75-25-2	Bromoform	450
123-86-4	Butyl acetate	0.64
123-72-8	Butyraldehyde	0.53
107-92-6	Butyric acid	1.1
462-94-2	Cadaverine	0.91
105-60-2	Caprolactam (See Modification)	1.2
63-25-2	Carbaryl	3.7
120-80-9	Catechol	6.6
133-90-4	Chloramben	81
79-11-8	Chloroacetic acid	19
108-90-7	Chlorobenzene	2.8
510-15-6	Chlorobenzilate	5.5
75-45-6	Chlorodifluoromethane	30
75-00-3	Chloroethane	1.1
67-66-3	Chloroform	120
3188-13-4	Chloromethyl ethyl ether	1.0
107-30-2	Chloromethyl methyl ether	1.5
126-99-8	Chloroprene	2.9
156-59-2	CIS-1,2-Dichloroethylene	12
10061-01-5	CIS-1,3-Dichloropropene	4.9
627-20-3	CIS-2-Pentene	0.42
691-38-3	CIS-4-Methyl-2-pentene	0.46
1319-77-3	Cresols/Cresylic acid (isomers and mixture)	2.2
98-82-8	Cumene	0.77
293-96-9	Cyclodecane	0.45
291-64-5	Cycloheptane	0.46
628-92-2	Cycloheptene	0.61
108-93-0	Cyclohexanol	0.88
108-94-1	Cyclohexanone	0.86
110-83-8	Cyclohexene	0.46
292-64-8	Cyclooctane	0.46
287-92-3	Cyclopentane	0.47
142-29-0	Cyclopentene	0.55
75-19-4	Cyclopropane	0.43
123-42-2	Diacetone alcohol	1.0
334-88-3	Diazomethane	4.0
132-64-9	Dibenzofuran	4.0
74-95-3	Dibromomethane	40
84-74-2	Dibutyl phthalate	1.5
75-43-4	Dichlorofluoromethane	52
75-09-2	Dichloromethane	13

*Minimum detected leak rate



Compounds detectable by the Opgal™ EyeCGas™ Multi Optical Gas Imaging Camera continued

CAS	Chemical name	MDLR* [g/hr]
676-83-5	Dichloromethylphosphine	13
111-42-2	Diethanolamine	1.6
64-67-5	Diethyl sulfate	1.7
352-93-2	Diethyl sulfide	0.70
109-89-7	Diethylamine	0.50
96-22-0	Diethylketone	0.64
75-10-5	Difluoromethane	3.2
75-11-6	Diiodomethane	85
108-20-3	Diisopropyl ether	0.59
108-18-9	Diisopropylamine	0.59
109-87-5	Dimethoxymethane	0.65
79-44-7	Dimethyl carbamoyl chloride	2.9
616-38-6	Dimethyl carbonate	1.3
624-92-0	Dimethyl disulfide	1.7
115-10-6	Dimethyl ether	0.43
68-12-2	Dimethyl formamide	0.87
131-11-3	Dimethyl phthalate	3.4
77-78-1	Dimethyl sulfate	2.5
75-18-3	Dimethyl sulfide	0.79
67-68-5	Dimethyl sulfoxide	1.6
124-40-3	Dimethylamine	0.44
79-44-7	Dimethylcarbamoyl chloride	1.9
10544-72-6	Dinitrogen Tetraoxide	1.4
111-43-3	Dipropyl ether	0.57
34590-94-8	Dipropylene glycol methyl ether	0.91
5989-27-5	d-Limonene	0.67
74-84-0	Ethane	0.26
64-17-5	Ethanol	0.55
141-78-6	Ethyl acetate	0.91
140-88-5	Ethyl acrylate	1.1
64-17-5	Ethyl alcohol	0.58
100-41-4	Ethyl benzene	0.80
74-96-4	Ethyl bromide	2.7
105-54-4	Ethyl butyrate	0.81
51-79-6	Ethyl carbamate (Urethane)	2.9
541-41-3	Ethyl chloroformate	2.7
107-12-0	Ethyl cyanide	0.89
109-94-4	Ethyl formate	1.0
75-08-1	Ethyl mercaptan	1.0
540-67-0	Ethyl methyl ether	0.46
109-95-5	Ethyl nitrite	1.4
637-92-3	Ethyl tert-butyl ether	0.48
383-63-1	Ethyl trifluoroacetate	4.3
75-04-7	Ethylamine	0.56
74-85-1	Ethylene	0.65

*Minimum detected leak rate



Compounds detectable by the Opgal™ EyeCGas™ Multi Optical Gas Imaging Camera continued

CAS	Chemical name	MDLR* [g/hr]
106-93-4	Ethylene dibromide (Dibromoethane)	18.3
107-21-1	Ethylene glycol	2.2
151-56-4	Ethylene imine (Aziridine)	1.1
75-21-8	Ethylene oxide	0.75
420-12-2	Ethylene sulfide	1.6
96-45-7	Ethylene thiourea	5.8
107-15-3	Ethylenediamine	1.4
75-03-6	Ethyl iodide	5.1
430-51-3	Fluoroacetone	1.7
462-06-6	Fluorobenzene	2.5
50-00-0	Formaldehyde	1.1
64-18-6	Formic acid	9.2
14523-98-9	Formic acid dimer	8.9
811-97-2	Freon-134a (1,1,1,2-Tetrafluoroethane)	12
98-01-1	Furfural	7.3
98-00-0	Furfuryl alcohol	2.1
107-22-2	Glyoxal	5.0
90-05-1	Guaiacol	1.8
382-10-5	Hexafluoroisobutylene	61
822-06-0	Hexamethylene-1,6-diisocyanate	1.8
680-31-9	Hexamethylphosphoramide	1.0
142-92-7	Hexyl acetate	0.82
74-90-8	Hydrogen cyanide	89
123-31-9	Hydroquinone	6.6
123-51-3	Isoamyl alcohol	0.62
75-28-5	Isobutane	0.38
115-11-7	Isobutene	0.41
110-19-0	Isobutyl acetate	0.85
103-65-1	Isocumene	0.76
540-84-1	Isooctane	0.56
78-78-4	Isopentane	0.42
123-92-2	Isopentyl acetate	0.83
78-59-1	Isophorone	0.91
78-79-5	Isoprene	0.84
108-21-4	Isopropyl acetate	0.90
590-86-3	Isovaleraldehyde	0.69
58-89-9	Lindane (all isomers)	19
108-31-6	Maleic anhydride	20
108-39-4	m-Cresol	1.5
920-46-7	Methacryloyl chloride	2.4
74-82-8	Methane	0.35
124-63-0	Methanesulfonyl chloride	25
67-56-1	Methanol	0.46
72-43-5	Methoxychlor	4.7
79-20-9	Methyl acetate	0.88
105-45-3	Methyl acetoacetate	1.4

*Minimum detected leak rate



Compounds detectable by the Opgal™ EyeCGas™ Multi Optical Gas Imaging Camera continued

CAS	Chemical name	MDLR* [g/hr]
96-33-3	Methyl acrylate	1.3
126-98-7	Methyl acrylonitrile	1.4
93-58-3	Methyl benzoate	1.8
74-83-9	Methyl bromide	5.4
628-28-4	Methyl butyl ether	0.52
74-87-3	Methyl chloride	1.8
78-93-3	Methyl Ethyl Ketone	0.89
593-53-3	Methyl fluoride	0.76
107-31-3	Methyl formate	1.3
74-88-4	Methyl iodide	12
110-12-3	Methyl isoamyl ketone	0.69
108-10-1	Methyl isobutyl ketone	0.68
547-63-7	Methyl isobutyrate	0.81
624-83-9	Methyl isocyanate	3.3
563-80-4	Methyl isopropyl ketone	0.51
74-93-1	Methyl mercaptan	1.6
80-62-6	Methyl methacrylate	1.1
624-91-9	Methyl nitrite	2.2
598-98-1	Methyl pivalate	0.79
554-12-1	Methyl propionate	0.72
107-87-9	Methyl propyl ketone	0.46
119-36-8	Methyl salicylate	2.6
1634-04-4	Methyl tert-butyl ether	0.44
74-89-5	Methylamine	0.64
101-68-8	Methylene diphenyl diisocyanate (MDI)	5.5
78-93-3	Methylethyl ketone	0.66
78-98-8	Methylglyoxal	2.7
75-79-6	Methyltrichlorosilane	19
78-94-4	Methylvinyl ketone	1.2
60-34-4	Monomethyl hydrazine	1.3
110-91-8	Morpholine	0.92
108-38-3	m-Xylene	0.83
123-35-3	Myrcene	0.67
617-84-5	N,N-diethyl,formamide	0.73
91-66-7	N,N-Diethylaniline	0.80
121-69-7	N,N-Dimethylaniline	1.2
628-63-7	n-Amyl acetate	0.82
91-20-3	Naphthalene	2.4
106-97-8	n-Butane	0.36
71-36-3	n-Butyl alcohol	0.46
111-36-4	n-Butyl isocyanate	0.91
109-73-9	n-Butylamine	0.58
124-18-5	n-Decane	0.63
75-84-3	Neopentyl alcohol	0.48
142-82-5	n-Heptane	0.35
592-76-7	n-Heptene	0.49

*Minimum detected leak rate



Compounds detectable by the Opgal™ EyeCGas™ Multi Optical Gas Imaging Camera continued

CAS	Chemical name	MDLR* [g/hr]
110-54-3	n-Hexane	0.34
7697-37-2	Nitric acid anhydrous	3.0
98-95-3	Nitrobenzene	3.3
10102-44-0	Nitrogen dioxide	2.4
75-52-5	Nitromethane	3.0
62-75-9	N-Nitrosodimethylamine	1.5
59-89-2	N-Nitrosomorpholine	2.0
111-84-2	n-Nonane	0.59
629-62-9	n-Pentadecane	0.91
629-50-5	n-Tridecane	0.75
1120-21-4	n-Undecane	0.67
90-04-0	o-Anisidine	2.8
95-48-7	o-Cresol	2.2
111-65-9	Octane	0.36
124-07-2	Octanoic acid	0.68
95-53-4	o-Toluidine	1.2
95-47-6	o-Xylene	0.83
123-63-7	Paraldehyde	1.2
56-38-2	Parathion	3.9
106-44-5	p-Cresol	2.2
354-33-6	Pentafluoroethane	57
109-66-0	pentane	0.32
108-95-2	Phenol	2.2
85-44-9	Phthalic anhydride	12
110-89-4	Piperidine	0.76
106-50-3	p-Phenylenediamine	6.4
74-98-6	Propane	0.29
107-19-7	Propargyl alcohol	2.2
624-65-7	Propargyl chloride	4.8
115-07-1	Propene	0.47
123-38-6	Propionaldehyde	0.58
79-09-4	Propionic acid	1.4
109-60-4	Propyl acetate	0.67
108-32-7	Propylene carbonate	1.7
57-55-6	Propylene glycol	1.0
75-55-8	Propylenimine	0.61
74-99-7	Propyne	0.68
106-42-3	p-Xylene	0.73
110-86-1	Pyridine	1.6
91-22-5	Quinoline	2.1
625-30-9	sec-Amylamine	0.60
78-92-2	sec-Butyl alcohol	0.58
135-98-8	sec-Butylbenzene	0.75
100-42-5	Styrene	1.3
96-09-3	Styrene oxide	1.4
75-65-0	t-Butyl alcohol	0.47

*Minimum detected leak rate




Compounds detectable by the Opgal™ EyeCGas™ Multi Optical Gas Imaging Camera continued

CAS	Chemical name	MDLR* [g/hr]
994-05-8	tert-Amyl methyl ether	0.56
594-39-8	tert-Amylamine	0.60
540-88-5	tert-Butyl acetate	0.82
1634-04-4	tert-Butyl methyl ether	0.54
98-06-6	tert-Butylbenzene	0.75
110-01-0	Tetrahydrothiophene	0.78
110-02-1	Thiophene	3.1
108-88-3	Toluene	1.0
156-60-5	trans-1,2-Dichloroethene	11
646-04-8	trans-2-Pentene	0.43
75-25-2	Tribromomethane	240
79-01-6	Trichloroethylene	130
121-44-8	Triethylamine	0.4
76-05-1	Trifluoroacetic acid	50
75-46-7	Trifluoromethane	20
1582-09-8	Trifluralin	4.0
75-50-3	Trimethylamine	0.42
110-62-3	Valeraldehyde	0.67
108-05-4	Vinyl acetate	1.9
593-60-2	Vinyl bromide	8.9
75-01-4	Vinyl chloride	8.6
75-02-5	Vinyl fluoride	2.6
100-80-1	Vinyl toluene	1.0

*Minimum detected leak rate