

## GASERA ONE PULSE

Table for Limits of Detection (LoD)



Gas	Chemical Formula	CAS-number	Optical filter center wavenumber (cm <sup>-1</sup> )	LoD, ppm
1,1,1,2-tetrafluoroethane	R134a, C <sub>2</sub> H <sub>2</sub> F <sub>4</sub>	811-97-2	1170	0.01
2,3,3,3-tetrafluoropropane	HFO1234yf, C <sub>3</sub> H <sub>2</sub> F <sub>4</sub>	754-12-1	1174	0.01
2-propanol	IPA, C <sub>3</sub> H <sub>8</sub> O	67-63-0	2981	0.1
Acetaldehyde	C <sub>2</sub> H <sub>4</sub> O	75-07-0	2766	0.04
Acetic acid	CH <sub>3</sub> COOH	64-19-7	1174	0.03
Acetone	C <sub>3</sub> H <sub>6</sub> O	67-64-1	1214	0.04
Acetylene	C <sub>2</sub> H <sub>2</sub>	74-86-2	743	0.05
Ammonia	NH <sub>3</sub>	7664-41-7	943	0.15
Carbon dioxide	CO <sub>2</sub>	124-38-9	2273	0.4
Carbon monoxide	CO	630-08-0	2110	0.1
Cyclohexane	C <sub>6</sub> H <sub>12</sub>	110-82-7	2924	0.01
Desflurane	C <sub>3</sub> H <sub>2</sub> F <sub>6</sub> O	57041-67-5	1151	0.005
Dichloromethane	DCM, CH <sub>2</sub> Cl <sub>2</sub>	75-09-2	779	0.08
Enflurane	C <sub>3</sub> H <sub>2</sub> ClF <sub>5</sub> O	13838-16-9	1151	0.005
Ethane	C <sub>2</sub> H <sub>6</sub>	74-84-0	2889	0.06
Ethanol	EtOH, C <sub>2</sub> H <sub>6</sub> O	64-17-5	1055	0.05
Ethylene	C <sub>2</sub> H <sub>4</sub>	74-85-1	943	0.15
Formaldehyde	HCHO, CH <sub>2</sub> O	50-00-0	2793	0.03
Isoflurane	C <sub>3</sub> H <sub>2</sub> ClF <sub>5</sub> O	26675-46-7	1151	0.005
Methane	CH <sub>4</sub>	74-82-8	3012	0.12
Methanol	MeOH, CH <sub>4</sub> O	67-56-1	1047	0.1
Nitrogen trifluoride	NF <sub>3</sub>	7783-54-2	907	0.02
Nitrous oxide	N <sub>2</sub> O	10024-97-2	2215	0.025
Novec 4710	(CF <sub>3</sub> ) <sub>2</sub> CFCN	42532-60-5	1177	0.015
Octafluorocyclobutane	C <sub>4</sub> F <sub>8</sub>	115-25-3	1229	0.008
Sevoflurane	C <sub>4</sub> H <sub>3</sub> F <sub>7</sub> O	28523-86-6	1151	0.006
Sulfur dioxide	SO <sub>2</sub>	7446-09-5	1359	0.05
Sulfur hexafluoride	SF <sub>6</sub>	2551-62-4	943	0.005
Tetrafluoromethane	CF <sub>4</sub>	75-73-0	1274	0.005
Trifluoromethane	CHF <sub>3</sub>	75-46-7	1157	0.007
Toluene	C <sub>7</sub> H <sub>8</sub>	108-88-3	3077	0.05
TVOC (EtOH)	TVOC	-	2950	0.02
TVOC (Toluene)	TVOC	-	2950	0.015