

NOMINAL DETECTION LIMITS Imacc 32m and 79m Cell Systems

Species	32 Meter Cell (PPM)	79 Meter Cell (PPM)	Species	32 Meter Cell (PPM)	79 Meter Cell (PPM)
acetaldehyde	0.094	0.038	hydrocarbon continuum	0.047	0.019
acetic acid	0.022	0.009	hydrogen chloride	0.013	0.005
acetone	0.031	0.013	hydrogen cyanide	0.013	0.005
acetonitrile	0.219	0.089	hydrogen sulfide	1.563	0.633
acetylene	0.006	0.003	isobutane	0.003	0.001
acrolein	0.022	0.009	isobutanol	0.019	0.008
acrylic acid	0.016	0.006	isobutyl acetate	0.022	0.009
acrylonitrile	0.031	0.013	isobutylene	0.013	0.005
ammonia	0.009	0.004	isoprene	0.016	0.006
benzene	0.009	0.004	isopropanol	0.031	0.013
1,3-butadiene	0.009	0.004	isopropyl ether	0.016	0.006
butane	0.000	0.000	methanol	0.019	0.008
butanol	0.063	0.025	methylamine	0.063	0.025
1-butene	0.047	0.019	methyl benzoate	0.094	0.038
cis-2-butene	0.094	0.038	methyl chloride	0.250	0.101
trans-2-butene	0.047	0.019	methylene chloride	0.025	0.010
butyl acetate	0.022	0.009	methyl ether	0.047	0.019
carbon disulfide	0.156	0.063	methyl ethyl ketone	0.188	0.076
carbon monoxide	0.013	0.005	methyl isobutyl ketone	0.078	0.032
carbon tetrachloride	0.006	0.003	methyl mercaptan	0.188	0.076
carbonyl sulfide	0.009	0.004	methyl methacrylate	0.016	0.006
chlorobenzene	0.031	0.013	2-methyl propene	0.013	0.005
chloroethane	0.047	0.019	morphaline	0.009	0.004
chloroform	0.006	0.003	nitric acid	0.006	0.003
m-cresol	0.047	0.019	nitric oxide	0.063	0.025
o-cresol	0.025	0.010	nitrogen dioxide	0.156	0.063
p-cresol	0.047	0.019	nitrous acid	0.022	0.009
cyclohexane	0.016	0.006	ozone	0.016	0.006
1,2-dibromoethane	0.022	0.009	pentane	0.000	0.000
m-dichlorobenzene	0.016	0.006	phosgene	0.006	0.003
o-dichlorobenzene	0.016	0.006	phosphine	0.009	0.004
p-dichlorobenzene	0.009	0.004	propane	0.031	0.013
1,1-dichloroethane	0.031	0.013	propanol	0.094	0.038
1,2-dichloroethane	0.125	0.051	propionaldehyde	0.047	0.019
1,1-dichloroethylene	0.013	0.005	propylene	0.031	0.013
dimethylamine	0.094	0.038	propylene dichloride	0.047	0.019
dimethyl disulfide	0.047	0.019	propylene oxide	0.047	0.019
1,4 dimethyl piperazine	0.016	0.006	pyridine	0.063	0.025
1,4 dioxane	0.009	0.004	silane	0.003	0.001
ethane	0.031	0.013	styrene	0.006	0.003
ethanol	0.031	0.013	sulfur dioxide	0.094	0.038
ethyl acetate	0.013	0.005	sulfur hexafluoride	0.000	0.000
ethylamine	0.031	0.013	1,1,1,2-tetrachloroethane	0.019	0.008
ethylbenzene	0.094	0.038	1,1,2,2-tetrachloroethane	0.050	0.020
ethylene	0.009	0.004	tetrachloroethylene	0.006	0.003
ethylene oxide	0.047	0.019	toluene	0.031	0.013
ethyl mercaptan	0.219	0.089	1,1,1-trichloroethane	0.031	0.013
formaldehyde	0.025	0.010	1,1,2-trichloroethane	0.047	0.019
formic acid	0.009	0.004	trichloroethylene	0.009	0.004
furan	0.016	0.006	trimethylamine	0.047	0.019
halocarb-11 (CCI3F)	0.003	0.001	1,2,4-trimethylbenzene	0.022	0.009
halocarb-12 (CCI2F2)	0.003	0.001	vinyl chloride	0.016	0.006
halocarb-22 (CHClF2)	0.003	0.001	m-xylene	0.031	0.013
halocarb-113 (CFCl2CF2Cl)	0.006	0.003	o-xylene	0.016	0.006
hexafluoropropene	0.006	0.003	p-xylene	0.031	0.013