

MAX-iR Quantitative Library		
Technical Specifications		
Temperature	191°C, 35°C	
Pressure	1atm	
Resolution	1.0cm ⁻¹ , Cosine Apodization	
Accuracy	±5%	
Compound	CAS	Calibration Range
1,2-Dichloropropane	78-87-5	ND-1000ppm
1,3-Butadiene	106-99-0	ND-100ppm
1-Methoxy-2-propanol	107-98-2	ND-1000ppm
1-Methoxy-2-propyl acetate	108-65-6	ND-1000ppm
1-Methyl-2-pyrrolidinone	872-50-4	ND-1000ppm
2-Butoxyethanol	111-76-2	ND-1000ppm
3-Methyl-1-butanol	123-51-3	ND-1000ppm
4-Methyl-2-pentanone	108-10-1	ND-1000ppm
Acetaldehyde	75-07-0	ND-1000ppm
Acetic Acid	64-19-7	ND-1000ppm
Acetylene	74-86-2	ND-1000ppm
Acrolein	107-02-8	ND-1000ppm
Ammonia	7664-41-7	ND-3000ppm
Amylamine	110-58-7	ND-1000ppm
Benzene	71-43-2	ND-1000ppm
Butane	106-97-8	ND-500ppm
CO ₂	124-38-9	ND-25%
CO	630-08-0	ND-99%
Carbon Tetrafluoride	75-73-0	ND-1000ppm
Carbonyl Fluoride	353-50-4	ND-50ppm
Chlorotrifluoroethylene	79-38-9	ND-1000ppm
Dichloromethane	75-09-2	ND-1000ppm
Dimethylamine	124-40-3	ND-1000ppm
Dodecane	112-40-3	ND-1000ppm
Ethane	74-84-0	ND-500ppm
Ethanol	64-17-5	ND-1000ppm
Ethyl Acetate	141-78-6	ND-1000ppm
Ethyl L-lactate	687-47-8	ND-1000ppm
Ethylbenzene	100-41-4	ND-1000ppm
Ethylene	74-85-1	ND-3000ppm
Ethylene Glycol	107-21-1	ND-1000ppm

Compound	CAS	Calibration Range
Ethylene Oxide	75-21-8	ND-100ppm
Formaldehyde	50-00-0	ND-100ppm
Formic Acid	64-18-6	ND-1000ppm
Hydrogen Bromide	10035-10-6	ND-50ppm
Hydrogen Chloride	7647-01-0	ND-1000ppm
Isobutane	75-28-5	ND-1000ppm
Isobutyl Isobutyrate	97-85-8	ND-1000ppm
Isopropyl Alcohol	67-63-0	ND-1000ppm
Methane	74-82-8	ND-5000ppm
Methanol	67-56-1	ND-1000ppm
m-Xylene	108-38-3	ND-1000ppm
n-Butanol	71-36-3	ND-1000ppm
Nitric Acid	7697-37-2	ND-50ppm
NO	10102-43-9	ND-3000ppm
NO2	10102-44-0	ND-3000ppm
N2O	10024-97-2	ND-500ppm
Octafluorocyclobutane	115-25-3	ND-500ppm
o-Xylene	95-47-6	ND-1000ppm
Propane	74-98-6	ND-500ppm
Propylene	115-07-01	ND-1000ppm
Propylene Glycol	57-55-6	ND-1000ppm
p-Xylene	106-42-3	ND-1000ppm
R32 Difluoromethane	75-10-5	ND-500ppm
R116 Hexafluoroethane	76-16-4	ND-2000ppm
Sulfur Dioxide	7446-09-5	ND-20ppm
SF6	2551-62-4	ND-50ppm
Toluene	108-88-3	ND-1000ppm
Triethoxymethylsilane	2031-67-6	ND-1000ppm
Trimethylsilanol	1066-40-6	ND-1000ppm
Vinyltrimethylsilane	754-05-2	ND-1000ppm
Water	7732-18-5	ND-20%

MAX-iR Quantitative Library		
Technical Specifications		
Temperature	191°C	
Pressure	1atm	
Resolution	4.0cm ⁻¹ , Cosine Apodization	
Accuracy	±5%	
Compound	CAS	Calibration Range
1,1,1,2-Tetrachloroethane	630-20-6	0-1000ppm
1,1,1-Trifluoroethane	420-46-2	0-1000ppm
1,1,2,2-Tetrachloroethane	79-34-5	0-1000ppm
1,1,2-Trichloroethane	79-00-5	0-1000ppm
1,1-Dichloroethane	75-34-3	0-1000ppm
1,1-Dichloroethene	75-35-4	0-1000ppm
1,2,3-Trichloropropane	96-18-4	0-1000ppm
1,2,3-Trimethylbenzene	526-73-8	0-1000ppm
1,2,4-Trichlorobenzene	120-82-1	0-1000ppm
1,2,4-Trimethylbenzene	95-63-6	0-1000ppm
1,2-Dibromo-3-chloropropane	96-12-8	0-1000ppm
1,2-Dibromoethane	106-93-4	0-1000ppm
1,2-Dichloroethane	107-06-2	0-1000ppm
1,2-Dichloropropane	78-87-5	0-1000ppm
1,3,5-Trimethylbenzene	108-67-8	0-1000ppm
1,3-Butadiene	106-99-0	0-1000ppm
1,3-Dichlorobenzene	541-73-1	0-1000ppm
1,3-Dichloropropane	142-28-9	0-1000ppm
1,4-Dichlorobenzene	106-46-7	0-1000ppm
1,4-Difluorobenzene	540-36-3	0-1000ppm
1,4-Dioxane	123-91-1	0-1000ppm
1-Hexene	592-41-6	0-1000ppm
1-Methoxy-2-propanol	107-98-2	0-1000ppm
1-Octanol	111-87-5	0-1000ppm
1-Octen-3-ol	3391-86-4	0-1000ppm
1-Pentanol	71-41-0	0-1000ppm
2,2-Dichloropropane	594-20-7	0-1000ppm
2,3-Butanediol	513-85-9	0-1000ppm
2,3-Butanedione	431-03-8	0-1000ppm
2,4,4-Trimethyl-1-pentene	107-39-1	0-1000ppm
2,4,4-Trimethyl-2-pentene	107-40-4	0-1000ppm

Compound	CAS	Calibration Range
2-Butanol	78-92-2	0-1000ppm
2-Butanone	78-93-3	0-1000ppm
2-Chlorotoluene	95-49-8	0-1000ppm
2-Ethyl-1-hexanol	104-76-7	0-1000ppm
2-Ethylbutyl acetate	10031-87-5	0-1000ppm
2-Ethylhexyl acetate	103-09-3	0-1000ppm
2-Ethylhexyl acrylate	103-11-7	0-1000ppm
2-Furaldehyde	98-01-1	0-1000ppm
2-Heptanone	110-43-0	0-1000ppm
2-Hexanone	591-78-6	0-1000ppm
2-Methyl-1-butanol	137-32-6	0-1000ppm
2-Methyl-2-butanol	75-85-4	0-1000ppm
2-Methyl-2-butene	513-35-9	0-1000ppm
2-Methylfuran	534-22-5	0-1000ppm
2-Methylhexane	591-76-4	0-1000ppm
2-Methylpentane	107-83-5	0-1000ppm
2-Methylpropene	115-11-7	0-1000ppm
2-Pentanol	6032-29-7	0-1000ppm
2-Pentylfuran	3777-69-3	0-1000ppm
3-Methyl-1-butanol	123-51-3	0-1000ppm
3-Methyl-2-butanol	598-75-4	0-1000ppm
3-Methylhexane	589-34-4	0-1000ppm
3-Methylpentane	96-14-0	0-1000ppm
3-Octanol	589-98-0	0-1000ppm
3-Octanone	106-68-3	0-1000ppm
4-Chlorotoluene	106-43-4	0-1000ppm
4-Methyl-2-pentanone	108-10-1	0-1000ppm
Acetaldehyde	75-07-0	0-1000ppm
Acetic Acid	64-19-7	0-1000ppm
Acetone	67-64-1	0-1000ppm
Acrolein	107-02-8	0-1000ppm
Acrylic Acid	79-10-7	0-1000ppm
alpha-Pinene	80-56-8	0-1000ppm
Ammonia	7664-41-7	0-1000ppm
Aniline	62-53-3	0-1000ppm
Benzene	71-43-2	0-1000ppm
Benzonitrile	100-47-0	0-1000ppm

Compound	CAS	Calibration Range
Bromobenzene	108-86-1	0-1000ppm
Bromochloromethane	74-97-5	0-1000ppm
Bromodichloromethane	75-27-4	0-1000ppm
Butyl acetate	123-86-4	0-1000ppm
Butyl acrylate	141-32-2	0-1000ppm
Butylbenzene	104-51-8	0-1000ppm
Carbon tetrachloride	56-23-5	0-1000ppm
Chlorobenzene	108-90-7	0-1000ppm
Chlorobenzene-d5	3114-55-4	0-1000ppm
Chloroform	67-66-3	0-1000ppm
cis-1,2-Dichloroethene	156-59-2	0-1000ppm
cis-1,3-Dichloropropene	10061-01-5	0-1000ppm
Cumene	98-82-8	0-1000ppm
Decamethylcyclopentasiloxane	541-02-6	0-1000ppm
Decamethyltetrasiloxane	141-62-8	0-1000ppm
Decane	124-18-5	0-1000ppm
Di(ethylene glycol) Ethyl Ether	111-90-0	0-1000ppm
Dibromochloromethane	124-48-1	0-1000ppm
Dibromomethane	74-95-3	0-1000ppm
Dichloromethane	75-09-2	0-1000ppm
Diethylene Glycol Monobutyl Ether	112-34-5	0-1000ppm
Diisopropyl ether	108-20-3	0-1000ppm
Dodecamethylpentasiloxane	141-63-9	0-1000ppm
Dodecane	112-40-3	0-1000ppm
Ethyl acetate	141-78-6	0-1000ppm
Ethyl methacrylate	97-63-2	0-1000ppm
Ethyl tert-butyl ether	637-92-3	0-1000ppm
Ethylbenzene	100-41-4	0-1000ppm
Ethylene Glycol Butyl Ether	111-76-2	0-1000ppm
Ethylene Glycol Monoethyl Ether	112-25-4	0-1000ppm
Ethylene glycol	107-21-1	0-1000ppm
Eucalyptol	470-82-6	0-1000ppm
Formamide	75-12-7	0-1000ppm
Furan	110-00-9	0-1000ppm
Heptane	142-82-5	0-1000ppm
Hexachloro-1,3-butadiene	87-68-3	0-1000ppm
Hexamethylcyclotrisiloxane	541-05-9	0-1000ppm

Compound	CAS	Calibration Range
Hexamethyldisiloxane	107-46-0	0-1000ppm
Hexanal	66-25-1	0-1000ppm
Hexane	110-54-3	0-1000ppm
Isobutanol	78-83-1	0-1000ppm
Isobutyl benzoate	120-50-3	0-1000ppm
Isopropanol	67-63-0	0-1000ppm
Lactic acid	79-33-4	0-1000ppm
Limonene	5989-27-5	0-1000ppm
m-Cresol	108-39-4	0-1000ppm
m-Xylene	108-38-3	0-1000ppm
Methanol	67-56-1	0-1000ppm
Methyl methacrylate	80-62-6	0-1000ppm
Methyl tert-butyl ether	1634-04-4	0-1000ppm
Methylcyclohexane	108-87-2	0-1000ppm
n-Butanol	71-36-3	0-1000ppm
n-Methyldiethanolamine	105-59-9	0-1000ppm
n-Propanol	71-23-8	0-1000ppm
Naphthalene	91-20-3	0-1000ppm
Nitrobenzene	98-95-3	0-1000ppm
Nitrosobenzene	586-96-9	0-1000ppm
Nonane	111-84-2	0-1000ppm
o-Cresol	95-48-7	0-1000ppm
o-Xylene	95-47-6	0-1000ppm
Octamethylcyclotetrasiloxane	556-67-2	0-1000ppm
Octamethyltrisiloxane	107-51-7	0-1000ppm
Octane	111-65-9	0-1000ppm
p-Cresol	106-44-5	0-1000ppm
p-Isopropyltoluene	99-87-6	0-1000ppm
p-Xylene	106-42-3	0-1000ppm
Pentadecane	629-62-9	0-1000ppm
Pentane	109-66-0	0-1000ppm
Phenol	108-95-2	0-1000ppm
Propanal	123-38-6	0-1000ppm
Propionic Acid	79-09-4	0-1000ppm
Propylbenzene	103-65-1	0-1000ppm
Propylcyclohexane	1678-92-8	0-1000ppm
Propylene glycol butyl ether	5131-66-8	0-1000ppm

Compound	CAS	Calibration Range
Propylene glycol propyl ether	1569-01-3	0-1000ppm
Propylene glycol	57-55-6	0-1000ppm
sec-Butylbenzene	135-98-8	0-1000ppm
Sulfur hexafluoride	2551-62-4	0-1000ppm
t-Butanol	75-65-0	0-1000ppm
tert-Amyl methyl ether	994-05-8	0-1000ppm
tert-Butylbenzene	98-06-6	0-1000ppm
Tetrachloroethene	127-18-4	0-1000ppm
Tetradecane	629-59-4	0-1000ppm
Tetrafluoromethane	75-73-0	0-1000ppm
Tetrahydrofuran	109-99-9	0-1000ppm
Toluene	108-88-3	0-1000ppm
Toluene-d8	2037-26-5	0-1000ppm
trans-1,2-Dichloroethene	156-60-5	0-1000ppm
trans-1,3-Dichloropropene	10061-02-6	0-1000ppm
Trichloroethene	79-01-6	0-1000ppm
Tridecane	629-50-5	0-1000ppm
Trimethylsilanol	1066-40-6	0-1000ppm
Undecane	1120-21-4	0-1000ppm