

COMPOUND	Applic Name 1	Applic Name 2	Library	Range (ppm)	Range (mg/m3)	Detection Limit (ppm)	Detection Limit (mg/m3)	Accuracy +/- % Reading	Analytical Wavelength (mm)	Pathlength
ACETALDEHYDE	ACETALD		XL	400	722	0.8	1.4	10	9.14	Long
ACETIC ACID	ACETCAD	10.2 100	SL	100	246	0.5	1.2	15	10.20	Long
ACETIC ACID	ACETCAD	8.6 30*	SL	30	74	0.15	0.4	20	8.64	Long
ACETONE	ACETONE	8.4 2000*	SL	2000	4760	5	11.9	5	8.40	Short
ACETONE	ACETONE	11.0 2000	SL	2000	4760	5	11.9	5	11.04	Long
ACETONITRILE	ACETONIT		XL	500	841	11	18.5	10	9.69	Long
ACETOPHENONE	ACETOPHE		XL	100	492	0.4	2.0	25	8.11	Long
ACETYLENE	ACETYLEN		XL	200	213	0.5	0.5	10	13.72	Long
ACRYLONITRILE	ACRYLONI		XL	50	109	0.6	1.3	10	10.47	Long
AMMONIA	NH3	10.9 500*	SL	500	349	0.7	0.5	20	10.87	Long
AMMONIA	NH3	10.5 500	SL	500	349	0.7	0.5	20	10.48	Long
ANILINE	ANILINE		XL	50	191	0.5	1.9	10	8.05	Long
BENZALDEHYDE	BENZALD		XL	500	2174	0.9	3.9	15	12.19	Long
BENZENE	BENZENE		SL	200	640	2	6.4	10	9.80	Long
1,3-BUTADIENE	13BUTADI	10.0 100	SL	100	222	0.7	1.6	10	10.03	Long
1,3-BUTADIENE	13BUTADI	11.1 50*	SL	50	111	0.35	0.8	15	11.06	Long
BUTANE	BUTANE		XL	2000	4764	5	11.9	10	10.44	Long
n-BUTYL ACETATE	BUTLACET		XL	300	1428	0.18	0.9	15	9.67	Long
n-BUTYL ALCOHOL	BUOH n-		XL	200	607	0.25	0.8	15	9.57	Long
t-BUTYL ALCOHOL	BUOH t-		XL	100	304	0.3	0.9	15	8.44	Long
BUTYL CELLOSOLVE	BUTLCELL		SL	100	484	0.25	1.2	15	9.01	Long
t-BUTYL METHYL ETHER	MTBE		XL	50	280	0.15	0.8	10	9.28	Long
CARBON DIOXIDE (absolute)	CO2ABS	4.3 1000*	SL	1000	1804	1	1.8	15	4.25	Short
CARBON DIOXIDE (absolute)	CO2ABS	14.0 1000	SL	1000	1804	30	54.1	25	14.00	Long
CARBON DIOXIDE (differential)	CO2DIFF	4.3 2000*	SL	2000	3607	1.5	2.7	15	4.25	Short
CARBON DIOXIDE (differential)	CO2DIFF	14.0 2000	SL	2000	3607	40	72.1	25	14.00	Long
CARBON DISULFIDE	CS2		XL	50	156	1	3.1	15	4.62	Long
CARBON MONOXIDE	CO		SL	250	287	0.9	1.0	10	4.62	Long
CARBON TETRACHLORIDE	CCL4-H		SL	100	630	0.05	0.3	10	12.66	Short
CARBON TETRACHLORIDE	CCL4-L		SL	5	32	1.2	7.6	10	12.66	Long
CELLOSOLVE	CELOSV-H		SL	500	1847	2.3	8.5	10	8.98	Short
CELLOSOLVE	CELOSV-L		SL	50	185	0.1	0.4	10	8.98	Long

CELLOSOLVE ACETATE	CLSLVAC		SL	200	1083	0.15	0.8	25	9.52	Long
CHLOROBENZENE	CLOROBEN		XL	150	692	0.4	1.8	10	9.33	Long
CHLOROBROMOMETHANE	CLBRMETH		XL	500	2651	0.4	2.1	25	8.32	Long
CHLOROFORM	CHCL3-H	13.0 100*	SL	100	489	1.7	8.3	UR	13.06	Short
CHLOROFORM	CHCL3-H	8.4 100	SL	100	489	0.5	2.4	UR	8.37	Long
CHLOROFORM	CHCL3-L	13.0 10*	SL	10	49	0.07	0.3	UR	13.06	Long
CHLOROFORM	CHCL3-L	8.4 10	SL	10	49	0.5	2.4	UR	8.37	Long
m-CRESOL	MCRESOL		SL	10	44	0.4	1.8	20	8.76	Long
CUMENE	CUMENE		XL	100	493	1	4.9	10	13.26	Long
CYCLOHEXANE	CYCLHEX	11.2 500*	SL	500	1724	6	20.7	10	11.16	Long
CYCLOHEXANE	CYCLHEX	8.1 500	SL	500	1724	6	20.7	10	8.11	Long
CYCLOPENTANE	CYCLPENT		XL	500	1437	6	17.2	10	11.25	Long
DESFLURANE	DESFLR-H	8.6 100*	SL	100	689	0.7	4.8	10	8.59	Short
DESFLURANE	DESFLR-H	9.1 100	SL	100	689	0.7	4.8	10	9.09	Short
DESFLURANE	DESFLR-L	8.6 10*	SL	10	69	0.04	0.3	10	8.59	Long
DESFLURANE	DESFLR-L	9.1 10	SL	10	69	0.04	0.3	10	9.09	Long
m-DICHLOROBENZENE	MDICLBNZ		XL	150	904	0.35	2.1	15	12.84	Long
o-DICHLOROBENZENE	ODICLBNZ		XL	100	602	0.6	3.6	25	8.99	Long
p-DICHLOROBENZENE	PDICLBNZ		XL	150	904	0.25	1.5	15	9.28	Long
1,1-DICHLOROETHANE	11DICLOR		XL	200	811	0.4	1.6	20	9.55	Long
1,2-DICHLOROETHYLENE	12DICLOR		XL	500	1986	0.6	2.4	15	11.20	Long
DICHLOROETHYLETER	2CLETH		XL	50	293	0.12	0.7	25	8.97	Long
DIETHYLAMINE	DIETHLAM		XL	50	150	0.35	1.0	10	8.90	Long
DIMETHYLACETAMIDE	DMAC		XL	30	107	0.4	1.4	15	8.59	Long
DIMETHYLAMINE	DIMETHAM		XL	50	92	0.6	1.1	10	8.83	Long
N,N-DIMETHYLFORMAMIDE	DMF		XL	20	60	0.2	0.6	10	9.40	Long
DIOXANE	DIOXANE		XL	100	361	0.08	0.3	15	9.00	Long
ENFLURANE	ENFLRN-H	8.9 100*	SL	100	756	0.6	4.5	10	8.90	Short
ENFLURANE	ENFLRN-H	12.1 100	SL	100	756	0.2	1.5	10	12.12	Long
ENFLURANE	ENFLRN-L	8.9 10*	SL	10	76	0.03	0.2	10	8.90	Long
ENFLURANE	ENFLRN-L	12.1 10	SL	10	76	0.2	1.5	10	12.12	Long
ETHANE	ETHANE		XL	1000	1232	0.3	0.4	20	3.33	Long
ETHANOLAMINE	ETHNOLAM		XL	50	125	0.7	1.8	20	8.90	Long
ETHYL ACETATE	ETHYLACT		XL	500	1805	1.1	4.0	10	8.29	Short
ETHYL ALCOHOL	ETOH		XL	2000	3776	5	9.4	10	9.60	Short
ETHYL BENZENE	ETHYLBENZ		XL	200	870	1.2	5.2	15	13.52	Long

ETHYL CHLORIDE	ETHLCLOR		XL	1500	3966	1	2.6	10	10.39	Long
ETHYL ETHER	ETHYLETH		XL	500	1519	1.8	5.5	10	8.97	Long
ETHYL LACTATE	ETHLAC		SL	100	484	0.08	0.4	15	8.35	Long
ETHYLENE	ETHYLENE		XL	100	115	0.4	0.5	10	10.63	Long
ETHYLENE DICHLORIDE	ETHDICHL		XL	100	406	0.7	2.8	10	8.30	Long
ETHYLENE OXIDE	ETO	11.7 100*	SL	100	181	0.35	0.6	10	11.65	Long
ETHYLENE OXIDE	ETO	3.3 100	SL	100	181	0.6	1.1	10	3.33	Long
FORMALDEHYDE	FORMALD		SL	10	12	0.11	0.1	10	3.57	Long
FORMIC ACID	FORMIC		XL	30	57	0.12	0.2	20	9.17	Long
GEN HALOCARBONS (Chloroform)	GENHAL-H		SL	100	489	1.7	0.3	15	13.06	Short
GEN HALOCARBONS (Chloroform)	GENHAL-L		SL	10	49	0.07	8.3	15	13.06	Long
GEN HYDROCARBONS (Hexane)	THCHEX		SL	500	1766	0.25	1.1	25	3.33	Long
GEN HYDROCARBONS (Methane)	THCMETH		SL	20	13	1.5	1.0	15	3.33	Long
HALOTHANE	HALTHN-H	12.4 100*	SL	100	809	1.5	12.1	10	12.37	Short
HALOTHANE	HALTHN-H	9.0 100	SL	100	809	0.09	0.7	15	8.97	Long
HALOTHANE	HALTHN-L	12.4 10*	SL	10	81	0.25	2.0	10	12.37	Long
HALOTHANE	HALTHN-L	9.0 10	SL	10	81	0.09	0.7	15	8.97	Long
HEPTANE	HEPTANE		XL	1000	4107	10	41.1	10	10.77	Long
n-HEXANE	HEXANE		XL	500	1766	0.25	0.9	25	3.33	Long
HYDRAZINE	HYDRAZIN		XL	50	66	0.8	1.1	10	10.84	Long
ISOBUTANE	ISOBUTAN		XL	250	595	2.5	6.0	10	8.68	Long
ISOFLURANE	ISOFLR-H	8.8 100*	SL	100	756	0.7	5.3	10	8.80	Short
ISOFLURANE	ISOFLR-H	11.4 100	SL	100	756	0.5	3.8	10	11.37	Long
ISOFLURANE	ISOFLR-L	8.8 10*	SL	10	76	0.04	0.3	10	8.80	Long
ISOFLURANE	ISOFLR-L	11.4 10	SL	10	76	0.5	3.8	10	11.37	Long
ISOPROPYL ALCOHOL	IPA-H	10.6 1000*	SL	1000	2463	10	24.6	10	10.59	Short
ISOPROPYL ALCOHOL	IPA-H	12.3 1000	SL	1000	2463	4	9.9	10	12.30	Long
ISOPROPYL ALCOHOL	IPA-L	10.6 100*	SL	100	246	0.5	1.2	10	10.59	Long
ISOPROPYL ALCOHOL	IPA-L	8.9 100	SL	100	246	0.3	0.7	10	8.85	Long
ISOPROPYL ETHER	IPETHER		XL	1000	4187	3	12.6	10	9.04	Short
METHANE	METHANE		SL	100	66	1.5	1.0	15	3.33	Long
METHYL ACETATE	METHACET	8.2 500*	SL	500	1518	1.3	3.9	10	8.20	Short
METHYL ACETATE	METHACET	9.6 500	SL	500	1518	6	18.2	10	9.64	Short
METHYL ACRYLATE	METHACRY		XL	20	71	0.07	0.2	15	8.49	Long
METHYL ALCOHOL	MEOH		XL	500	656	0.7	0.9	15	10.22	Long
METHYL CELLOSOLVE	MCELLO		SL	100	312	0.15	0.5	15	9.50	Long

METHYL CELLOSOLVE ACETATE	MCELOA	8.9 100*	SL	100	484	0.14	0.7	15	8.92	Long
METHYL CELLOSOLVE ACETATE	MCELOA	9.5 100	SL	100	484	0.15	0.7	15	9.52	Long
METHYL CHLORIDE	MECL		XL	200	414	1.7	3.5	10	13.51	Long
METHYL CHLOROFORM	111TRICL		XL	500	2734	0.15	0.8	25	9.38	Long
METHYL ETHYL KETONE	MEK	8.7 1000*	SL	1000	2955	7	20.7	15	8.69	Short
METHYL ETHYL KETONE	MEK	10.7 1000	SL	1000	2955	1.6	4.7	20	10.68	Long
METHYL ISOBUTYL KETONE	MIBK		XL	100	410	0.35	1.4	10	8.71	Long
METHYL METHACRYLATE	METHMACR	10.7 250*	SL	250	1026	0.4	1.6	10	10.75	Long
METHYL METHACRYLATE	METHMACR	12.3 250	SL	250	1026	0.7	2.9	15	12.28	Long
METHYLACETYLENE	MACETYLN		XL	1000	1643	1.2	2.0	10	8.16	Long
METHYLAMINE	METHAMIN		XL	50	64	0.6	0.8	10	12.91	Long
METHYLENE CHLORIDE	MECL2		SL	200	696	4	13.9	10	13.32	Short
NITROGEN TRIFLUORIDE	NF3		XL	50	145	0.04	0.1	10	11.11	Long
NITROUS OXIDE	N2O		SL	100	180	0.04	0.1	10	4.50	Long
OCTANE	OCTANE-H		XL	1000	4681	5	23.4	25	3.33	Short
OCTANE	OCTANE-L		XL	100	468	0.35	1.6	25	3.33	Long
PENTANE	PENTANE		XL	2000	5913	6	17.7	10	11.06	Long
PERCHLOROETHYLENE	PERC-H		SL	500	3398	2	13.6	10	11.01	Short
PERCHLOROETHYLENE	PERC-L	11.0 50*	SL	50	340	0.09	0.6	20	11.01	Long
PERCHLOROETHYLENE	PERC-L	12.9 50	SL	50	340	0.4	2.7	10	12.88	Long
PGMEA	PGMEA		XL	50	271	0.07	0.4	20	8.20	Long
PHOSGENE	PHOSGENE		XL	5	20	0.05	0.2	10	11.88	Long
PROPANE	PROPANE		XL	2000	3614	20	36.1	10	13.44	Long
n-PROPANOL	PROPOH		XL	500	1231	0.6	1.5	10	10.39	Long
PROPYLENE OXIDE	PROPOXID		XL	200	476	0.7	1.7	15	12.04	Long
PYRIDINE	PYRIDINE		XL	100	324	1.5	4.9	10	9.81	Long
TRICHLOROMONOFUOROMETHANE	R11		XL	1000	5630	1	5.6	15	10.80	Long
TRICHLOROTRIFLUOROETHANE	R113	11.1 1000*	SL	1000	7679	1.7	13.1	15	11.11	Short
TRICHLOROTRIFLUOROETHANE	R113	9.7 1000	SL	1000	7679	2.5	19.2	10	9.72	Short
1,2-DICHLOROTETRAFLUROETHANE	R114	9.7 1000*	SL	1000	7005	2	14.0	10	9.67	Short
1,2-DICHLOROTETRAFLUROETHANE	R114	11.9 1000	SL	1000	7005	1.5	10.5	10	11.90	Short
DICHLORODIFLUOROMETHANE	R12	10.9 1000*	SL	1000	4955	1.4	6.9	15	10.94	Short
DICHLORODIFLUOROMETHANE	R12	9.2 1000	SL	1000	4955	1.5	7.4	15	9.21	Short
DICHLOROTRIFLUOROETHANE	R123-H	8.6 200*	SL	200	1253	1.3	8.1	15	8.55	Short
DICHLOROTRIFLUOROETHANE	R123-H	13.1 200	SL	200	1253	1.5	9.4	UR	13.12	Long
DICHLOROTRIFLUOROETHANE	R123-L	8.6 10*	SL	10	63	0.07	0.4	10	8.55	Long

DICHLOROTRIFLUOROETHANE	R123-L	8.9 10	SL	10	63	0.09	0.6	UR	8.88	Long
1-CHLORO-1,1,2,2-TETRAFLUOROETHANE	R124-H	8.5 500*	SL	500	2797	1.4	7.8	15	8.47	Short
1-CHLORO-1,1,2,2-TETRAFLUOROETHANE	R124-H	11.4 500	SL	500	2797	3	16.8	15	11.40	Short
1-CHLORO-1,1,2,2-TETRAFLUOROETHANE	R124-L	8.5 100*	SL	100	559	0.05	0.3	15	8.47	Long
1-CHLORO-1,1,2,2-TETRAFLUOROETHANE	R124-L	11.4 100	SL	100	559	0.2	1.1	15	11.40	Long
1,1,1,2-TETRAFLUOROETHANE	R134A		XL	200	836	0.17	0.7	10	9.24	Long
BROMOTRIFLUOROMETHANE	R13B1		XL	1000	6102	1	6.1	15	9.40	Short
1,1-DICHLORO-1-FLUOROETHANE	R141B		XL	200	959	0.17	0.8	15	10.89	Long
1,1,1-TRIFLUOROETHANE	R143a		XL	25	87	0.05	0.2	15	8.31	Long
1,1-DIFLUOROETHANE	R152a		XL	25	68	0.06	0.2	15	8.97	Long
DICHLOROFLUOROMETHANE	R21	9.5 1000*	SL	1000	4218	2	8.4	10	9.45	Short
DICHLOROFLUOROMETHANE	R21	12.5 1000	SL	1000	4218	1.5	6.3	10	12.52	Short
CHLORODIFLUOROMETHANE	R22	9.1 1000*	SL	1000	3544	1	3.5	10	9.14	Short
CHLORODIFLUOROMETHANE	R22	12.5 1000	SL	1000	3544	2.5	8.9	10	12.45	Short
DICHLOROPENTAFLUOROPROPANE	R225		XL	100	404	0.1	0.4	10	9.19	Long
SEVOFLURANE	SEVFLN-H		SL	100	820	0.7	5.7	10	8.31	Short
SEVOFLURANE	SEVFLN-L		SL	10	82	0.03	0.2	10	8.31	Long
STYRENE	STYRNE-H		SL	1000	4268	15	64.0	15	11.08	Short
STYRENE	STYRNE-L	11.1 200*	SL	200	854	0.6	2.6	15	11.08	Long
STYRENE	STYRNE-L	13.0 200	SL	200	854	0.7	3.0	15	12.98	Long
SULFUR DIOXIDE	SO2		SL	30	79	1.2	3.2	10	8.78	Long
SULFUR HEXAFLUORIDE	SF6		SL	4	24	0.01	0.1	Note 4	10.71	Long
SULFURYL FLUORIDE	SULFRYLF		XL	30	125	0.1	0.4	10	11.55	Long
TETRAHYDROFURAN	THF		XL	500	1478	0.5	1.5	10	8.66	Long
TOLUENE	TOLUEN-H	13.8 1000*	SL	1000	3776	18	68.0	10	13.84	Short
TOLUENE	TOLUEN-H	9.4 1000	SL	1000	3776	4	15.1	10	9.40	Long
TOLUENE	TOLUEN-L		SL	200	755	1	3.8	15	13.84	Long
1,1,2-TRICHLOROETHANE	3CLETHAN		XL	30	164	0.25	1.4	10	13.58	Long
1,1,2,2-TETRACHLOROETHANE	4CLETHAN		XL	20	138	0.25	1.7	10	12.45	Long
TRICHLOROETHYLENE	TCE	10.8 1000*	SL	1000	5384	4	21.5	10	10.76	Short
TRICHLOROETHYLENE	TCE	11.9 1000	SL	1000	5384	4	21.5	UR	11.88	Short
VINYL ACETATE	VINLACET		XL	10	35	0.04	0.1	15	8.35	Long
VINYL CHLORIDE	VINLCLOR	10.7 20*	SL	20	51	0.6	1.5	10	10.72	Long
VINYL CHLORIDE	VINLCLOR	9.8 20	SL	20	51	1.6	4.1	10	9.79	Long
VINYLDIENE CHLORIDE	VINLIDCL		XL	20	79	0.2	0.8	10	12.69	Long
XYLENE	XYLENE-H	13.1 2000*	SL	2000	8702	30	130.5	10	13.13	Short

XYLENE	XYLENE-H	12.6	2000	SL	2000	8702	7	30.5	15	12.60	Long
XYLENE	XYLENE-L			SL	200	870	1.3	5.7	15	13.13	Long

**NOTES:**

1. The SapphIRe DL contains no standard library compounds.

The SapphIRe SL contains all compounds noted as "SL" under library.

The SapphIRe XL contains all compounds in this list.

2. Accuracy specifications application from 5 times the detection limit to the High Range Limit (Measurement Range).

3. Detection limit is the point at which the analyzer will consistently and repeatably detect the presence of the subject gas.

4. Accuracy of SF6 application is 10% up to 1.0 PPM, and 20% from 1.0 - 4.0 PPM

5. "UR" in accuracy column indicates that the accuracy calculations are still being performed.