

LIST A ORGANIC VAPOR CHEMICALS

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Organic Vapor Analyte List - Groups A, B, C, and D

Chemicals are arranged alphabetically, into Groups OV-A, OV-B, OV-C, and OV-D

When using an Organic Vapor monitor, chemicals to be tested on a single monitor must be from a single analyte group, either OV-A, OV-B, OV-C, or OV-D. These groups were designed based on laboratory restrictions of analysis, e.g. different solvents, or other testing procedures, that would exclude testing with another group. For example, only OV-A chemicals may be analyzed on a single badge. A second sampler will be required to test for chemicals from the OV-B list.

Badges are available pre-paid for a single chemical (X566-1, X521-1, or X546-1) and pre-paid for the analysis of up to four (4) chemicals per badge (X566-4, X521-4 or X546-4), as long as they are from the same analytical Group (A, B, C or D).

All Organic Vapors will be collected on either the 566/Multi-Purpose, Best All-Around Monitor, 521/Very High Sampling Rate Monitor, or the 546/Very High Capacity Monitor.

Bolded and Green chemicals are part of our Organic Solvent Panel (OSP) and can be monitored together using the [X521-25AT](#).

LIST A ORGANIC VAPOR CHEMICALS

CAS	CHEMICAL NAME	GROUP	CAS	CHEMICAL NAME	GROUP
67-64-1	Acetone	OV-A, OSP	591-78-6	2-Hexanone (MBK)	OV-A
75-05-8	Acetonitrile	OV-A	123-92-2	Isoamyl acetate	OV-A
107-13-1	Acrylonitrile	OV-A	123-51-3	Isoamyl alcohol	OV-A
107-18-6	Allyl Alcohol	OV-A	110-19-0	Isobutyl acetate	OV-A
107-5-1	Allyl Chloride	OV-A	78-83-1	Isobutyl alcohol	OV-A
628-63-7	Amyl acetate	OV-A	108-21-4	Isopropyl acetate	OV-A
71-43-2	Benzene	OV-A, OSP, OV-C	67-63-0	Isopropyl alcohol	OV-A, OSP
106-99-0	Butadiene	OV-A	108-20-3	Isopropyl ether	OV-A

71-36-3	t-Butanol	OV-A	5989-27-5	Limonene (as dipentene)	OV-A
75-65-0	n-Butanol	OV-A, OSP	109-86-4	2-Methoxyethanol (Methyl Cellosolve)	OV-A
78-92-2	2-Butanol (sec-butyl alcohol)	OV-A	110-49-6	2-Methoxyethyl acetate(MeCSAc)	OV-A
111-76-2	Butoxyethanol (ButylCellosolve)	OV-A	96-33-3	Methyl acrylate	OV-A
123-86-4	n-Butyl acetate	OV-A	67-56-1	Methyl alcohol (methanol)	OV-A
540-88-5	t-Butyl acetate	OV-A	108-87-2	Methyl cyclohexane	OV-A
141-32-2	n-Butyl acrylate	OV-A, OSP	78-93-3	Methyl ethyl ketone (2-butanone)	OV-A, OSP
1634-04-4	Butyl methyl ether (MTBE)	OV-A	107-31-3	Methyl formate	OV-A
56-23-5	Carbon tetrachloride	OV-A	110-12-3	Methyl isoamyl ketone	OV-A
108-90-7	Chlorobenzene	OV-A	108-11-2	Methyl isobutyl carbinol	OV-A
74-97-5	Chlorobromomethane	OV-A	108-10-1	Methyl isobutyl ketone (hexone)	OV-A, OSP
67-66-3	Chloroform	OV-A, OSP	80-62-6	Methyl methacrylate	OV-A, OSP
126-99-8	Chloroprene	OV-A	107-87-9	Methyl propyl ketone (2-pentanone)	OV-A
98-82-8	Cumene	OV-A	109-87-5	Methylal (dimethoxymethane)	OV-A
110-82-7	Cyclohexane	OV-A	75-09-2	Methylene chloride	OV-A, OSP
108-93-0	Cyclohexanol	OV-A	91-20-3	Naphthalene	OV-A, OV-C, OSP
108-94-1	Cyclohexanone	OV-A, OSP	111-84-2	n-Nonane	OV-A
123-42-2	Diacetone Alcohol	OV-A	111-65-9	n-Octane	OV-A
1717-00-6	Dichloro-1-fluoroethane (HCFC141b)	OV-A	109-66-0	n-Pentane	OV-A
75-71-8	Dichlorodifluoromethane (CFC12)	OV-A	127-18-4	Perchloroethylene (PCE)	OV-A, OSP
75-34-3	1,1-Dichloroethane	OV-A	4994-15-6	4-Phenylcyclohexene (New Rug Odor)	OV-A, OSP
107-06-2	1,2-Dichloroethane (EDC)	OV-A	108-65-6	Prop. Glyc. methyl ether acetate	OV-A
540-59-0	Dichloroethylene	OV-A	109-60-4	n-Propyl acetate	OV-A
75-43-4	Dichlorofluoromethane (CFC21)	OV-A	71-23-8	n-Propyl alcohol	OV-A
76-14-2	Dichlorotetrafluoroethane (CFC114)	OV-A	106-94-5	n-Propyl bromide	OV-A
68-12-2	Dimethyl formamide (DMF)	OV-A	78-87-5	Propylene dichloride	OV-A
123-91-1	1,4-Dioxane	OV-A	107-98-2	Propylene glycol methyl ether	OV-A
106-89-8	Epichlorohydrin	OV-A	110-86-1	Pyridine	OV-A
110-80-5	Ethoxyethanol (Cellosolve)	OV-A	100-42-5	Styrene	OV-A, OSP
111-15-9	Ethoxyethyl acetate (EthylCell)	OV-A	76-11-9	1,1,2,2-Tetrachloro-2,2-difluoroethane	OV-A

141-78-6	Ethyl acetate	OV-A, OSP	109-99-9	Tetrahydrofuran (THF)	OV-A, OSP
140-88-5	Ethyl acrylate	OV-A	108-88-3	Toluene	OV-A, OSP, OV-C
64-17-5	Ethyl alcohol (ethanol)	OV-A, OSP	79-00-5	1,1,2-Trichloroethane	OV-A
60-29-7	Ethyl ether	OV-A	71-55-6	1,1,1-Trichloroethane (methylchloroform)	OV-A, OSP
687-47-8	Ethyl lactate	OV-A	79-01-6	Trichloroethylene (TCE)	OV-A, OSP
100-41-4	Ethylbenzene	OV-A, OSP, OV-C	76-13-1	Trichlorotrifluoroethane (CFC113)	OV-A
107-07-3	Ethylene chlorohydrin	OV-A	108-67-8	1,3,5-Trimethylbenzene (mesitylene)	OV-A
106-93-4	Ethylene dibromide	OV-A	108-05-4	Vinyl acetate	OV-A
110-71-4	Ethylene glycol dimethyl ether	OV-A	593-60-2	Vinyl bromide	OV-A
75-69-4	Fluorotrichloromethane (CFC11)	OV-A	75-01-4	Vinyl chloride	OV-A
142-82-5	n-Heptane	OV-A, OSP	75-35-4	Vinylidene Chloride (1,1 DCE)	OV-A
110-43-0	2-Heptanone (methyl amyl ketone)	OV-A	1330-20-7	Xylenes	OV-A, OSP, OV-C
110-54-3	n-Hexane	OV-A, OSP			

* Indicates that Monitor 546 is recommended for full shift sampling. Use Monitor 566 or 521 for 15 minute sampling.

LIST B ORGANIC VAPOR CHEMICALS

CAS #	CHEMICAL NAME	GROUP B
100-44-7	Benzyl chloride	OV-B
2426-08-6	Butyl(n)glycidyl ether	OV-B
76-22-2	Camphor	OV-B
95-49-8	Chloro(o)toluene	OV-B
106-46-7	1,2-Dichlorobenzene	OV-B
95-50-1	1,4-Dichlorobenzene	OV-B
77-73-6	Dicyclopentadiene	OV-B
108-83-8	Diisobutylketone	OV-B
121-69-7	n,n-Dimethylaniline	OV-B
34590-94-8	Dipropylene Glycol Methyl Ether	OV-B

LIST C ORGANIC VAPOR CHEMICALS

CAS #	CHEMICAL NAME	GROUP C
71-43-2	Benzene	OV-A, OSP, OV-C
100-41-4	Ethylbenzene	OV-A, OSP, OV-C
	Hydrocarbons, Total (as Hexane)	OV-C
8052-41-3	Mineral Spirits (stoddard solvent)	OV-C
8032-32-4	Naphtha VM&P	OV-C
91-20-3	Naphthalene	OV-A, OV-C
108-88-3	Toluene	OV-A, OSP, OV-C
95-63-6	1,2,4-Trimethylbenzene	OV-C
1330-20-7	Xylenes	OV-A, OSP, OV-C

78-59-1	Isophorone	OV-B
872-50-4	1-Methyl-2-pyrrolidinone	OV-B
98-83-9	a-Methyl Styrene	OV-B
101-84-8	Phenyl ether	OV-B
25013-15-4	Vinyl toluene (methyl styrene)	OV-B

LIST D ORGANIC VAPOR CHEMICALS		
CAS #	CHEMICAL NAME	GROUP D
108-95-2	Phenol	OV-D

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