



AIR SURVEY ANALYSES List of Compounds

Method	Method Detection Limits		
	Quantitative A	Quantitative B	Semiquantitative
TDT Air Scan® AS002	250 ng	5-20 µg	100-250 ng
High Sensitivity TDT Air Scan	10 ng	5-20 µg	5-10 ng
Canister Air Scan SC002	200 ng/L	1,500 ng/L	100 - 200 ng/L
Tedlar Bag Air Scan TB002	200 ng/L	1,500 ng/L	100 - 200 ng/L

Quantitative List A

Benzene	Dibromomethane	1,2-Dichloropropene	1,2,3-Trichlorobenzene
Bromobenzene	1,2-Dibromoethane	1,3-Dichloropropene (cis)	1,2,4-Trichlorobenzene
Bromochloromethane	1,2-Dichlorobenzene	1,3-Dichloropropene (trans)	1,1,1-Trichloroethane
Bromodichloromethane	1,3-Dichlorobenzene	Ethylbenzene	1,1,2-Trichloroethane
Bromoform	1,4-Dichlorobenzene	Hexachlorobutadiene	Trichloroethene
n-Butylbenzene	Dichlorodifluoromethane	Isopropylbenzene	Trichlorofluoromethane
sec-Butylbenzene	1,1-Dichloroethane	p-Isopropyltoluene	1,2,3-Trichloropropane
tert-Butylbenzene	1,2-Dichloroethane	Methylene Chloride	1,2,4-Trimethylbenzene
Carbon Tetrachloride	1,1-Dichloroethene	Naphthalene	1,3,5-Trimethylbenzene
Chlorobenzene	1,2-Dichloroethene (cis)	n-Propylbenzene	Vinyl Chloride
Chlorodibromoethane	1,2-Dichloroethene (trans)	Styrene	m & p-Xylene
Chloroform	1,2-Dichloropropane	1,1,1,2-Tetrachloroethane	o-Xylene
2-Chlorotoluene	1,3-Dichloropropane	1,1,2,2-Tetrachloroethane	
4-Chlorotoluene	2,2-Dichloropropane	Tetrachloroethene	
1,2-Dibromo-3-chloropropane	1,1-Dichloropropene	Toluene	

Quantitative List B

Acetaldehyde*	Isopropanol* (2-Propanol)	Vinyl acetate*	Methane‡
Acetone* (2-propanone)	Methanol	Vinylidene chloride	Nitric acid‡
Acetonitrile*	Methyl acetate*		Nitric oxide‡
Butadiene*	Methyl ethyl ketone* (MEK)		Nitrogen dioxide‡
1-Butanol*	Methyl formate	Acetylene‡	Nitrogen trifluoride‡
2-Butanone*	Methyl vinyl ether	Ammonia‡	Nitrous acid‡
n-Butylacetate*	Methyl vinyl ketone	Boron trichloride‡	Nitrous oxide‡
Chlorodifluoromethane*	3-Methyl-1-butene	Boron trifluoride‡	Pentafluoroethane‡
Cyclohexane*	2-Methyl-1-pentene	Carbon dioxide‡	Perfluorobutane‡
Cyclohexene*	2-Methyl-2-butene	Carbon monoxide‡	Perfluoropentane‡
Cyclopentene*	4-Methyl-2-pentanone* (MIBK)	Carbon tetrafluoride‡	Perfluoropropane‡
1,2-Dichlorotetrafluoroethane*	2-Methyl-2-pentene	Carbon fluoride‡	Oxygen difluoride‡
1,1-Dimethyl hydrazine	4-Methyl-2-pentene	Diborane‡	Silane‡
Ethyl-3-ethoxypropionate	2-Methylpentane	Dichlorosilane‡	Silicon tetrafluoride‡
Ethyl lactate	3-Methylpentane	Difluoromethane‡	Sulfur dioxide‡
Ethyl vinyl ether	Nitroethane	Ethane‡	Sulfur hexafluoride‡
Ethanol*	Nitromethane	Ethylene‡	Tetrachlorosilane‡
Formaldehyde	2-Pentanone*	Hexafluoroethane‡	1,1,1,2-Tetrafluoroethane‡
Furan*	1-Pentene	Hexafluoropropylene‡	Tetramethyl silane‡
2-Heptanone*	2-Pentene	Hydrobromic acid‡	Trichlorosilane‡
Isobutane	Propane	Hydrochloric acid‡	Trifluoromethane‡
Isobutyl acetate*	n-Propanol*	Hydrofluoric acid‡	Tungsten hexafluoride‡
Isobutyl ketone*	Propionaldehyde	Hydrogen cyanide‡	Water‡
Isobutylene	Propylene	Hydroiodic acid‡	
Isoprene	m-Pyrol		

Notes

* At levels below the detection limit for Quantitative List B, this compound is reported as part of the Semiquantitative List

‡ Canister or Tedlar Bag methods only

Semiquantitative List

Acetophenone	Cyclohexanone	1-Hexene	Propanal
Acrolein	Cyclopentanone	3-Hexene	n-Propylacetate
Acrylonitrile	Decahydronaphthalene	Iodomethane	n-Propylamine
Allyl alcohol (2-Propenol)	Decanal	Isobornylacetate	Propylcyclohexane
Allyl chloride	2,5-Dibromotoluene	Isobutanol (2-Methyl-1-propanol)	2-Propylfuran
Benzaldehyde	1,4-Dichloro-2-butene (cis)	Di-Isopropyl ether	Pulegone
Benzonitrile	1,4-Dichloro-2-butene (trans)	1-Isopulegol	a-Terpinene
Benzothiazole	1,1-Dichloro-1-fluoroethane	Limonene	γ-Terpinene
Benzylalcohol	Dichlorofluoromethane	Linalool	Tetrahydrofuran
Benzylchloride	1,2-Dichlorotetrafluoroethane (CFC-114)	Menthol	1,1,2-Trichloro-1,2,2-trifluoroethane
Biphenyl	Diethyl ether	Methacrylate	1,1,1-Trichloro-2-propane
1-Borneol	Diethylbenzene #	Methoxybenzene	Trichlorobenzene #
4-Bromo-1-butene	Diethyl disulfide	1-Methoxycyclohexene	Triethylamine
2-Bromo-1-chloropropane	N,N-Diethylformamide	2-Methoxyphenol	Triethylbenzene #
Bromochloroacetonitrile	1,1-Dimethoxy-2-butene	1-Methoxy-2-propanol	1,3,5-Triisopropylbenzene
2-Bromochlorobenzene	1,1-Dimethoxyheptane	2-Methoxy-1-propanol	1,2,3-Trimethylbenzene
3-Bromochlorobenzene	1,1-Dimethoxyhexane	1-Methoxy-4-(2-propenyl)benzene	Trimethylcyclohexane
4-Bromochlorobenzene	Dimethoxymethane	2-(1-Methoxy)propylacetate	3,3,5-Trimethylcyclohexanone
Bromochlorofluoromethane	1,1-Dimethoxynonane	Methylacrylate	Trimethylethylbenzene #
Bromoethene (Vinyl bromide)	1,1-Dimethoxyoctane	Methylbenzoate	2,2,4-Trimethylpentane
Butanal	1,2-Dimethoxypropane	2-Methylbutanal	Trimethylsilane
tert-Butanol	Dimethyl amine	3-Methylbutanal	Trimethylsilanol
2-Butenal	N,N-Dimethylcyclohexanamine	Methylbutylbenzene	Valeraldehyde (Pentanal)
2-Butoxyethanol	1,1-Dimethylcyclohexane	Methylcyclohexane	
2-Butoxyethylacetate	Dimethylester of pentanedioic acid	Methylcyclopentane	
1-Butoxy-2-propanol	Dimethyl ether	1-Methylethylacetate	
Di-n-Butylether	1,1-Dimethylethoxybenzene	Bis (1-Methylethyl) benzene	
sec-Butylethylbenzene	Dimethyl disulfide	Methylethylbenzene #	
2-n-Butylfuran	2,4-Dimethylfuran	Methylethyl disulfide	
C 3	2,3-Dimethylphenol	2-Methylfuran	
C 4	2,5-Dimethylphenol	Methylisothiocyanate	
C 5	Dimethyl sulfide	Methylmethacrylate	
C 6	2,5-Dimethylfuran	Methylnaphthalene #	
C 7	2,6-Dimethyl-4-heptanone (Diisobutyl Ketone)	3-Methyloctane	
C 8	1,4-Dioxane	2-Methyl-1-propene	
C 9	Dodecanal (Lauryl aldehyde)	Methyl salicylate	
C 10	1-Dodecanol (Lauryl alcohol)	2-(Methylthio)-butane	
C 11	1-Dodecene	Methylthiophene	
C 12	Epichlorohydrin	Myrcene	
C 13	4-Ethenylcyclohexene	MTBE (Methyl tert butyl ether)	
C 14	Ethylacetate	Nonanal	
Camphene	Ethylcyclohexane	Octanal	
Carbon disulfide	2-Ethyl-1-hexanol	Pentachloroethane	
3-Carene	Ethylmethylacrylate	1,3-Pentadiene	
1-Chloro-1,1-difluoroethane	2-Ethyl-4-methyl-1,3-dioxolane	Pentamethylheptane	
2-Chloroethylvinylether	Eucalyptol	1-Pentanol	
1-Chloro-1-fluoroethene	Fenchone	1-Pentylacetate	
Chlorotrifluoroethene	3-Furaldehyde	2-Pentylfuran	
o-Cresol	Heptanal	Phenol	
m-Cresol	Hexachloroethane	2-Picoline	
p-Cresol	Hexanal	α-Pinene	
Crotonaldehyde (trans-2-Butenal)	1-Hexanol	β-Pinene	

isomers of

Contact *pati* for compounds not contained in this list.

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