

AIR-SCAN COMPOUND LIST

Compounds based on EPA Method TO-17 and ISO Method 16000-6 for Thermal Desorption GC-MS.

CAS: Chemical Abstract Service number (unique identifier)

Core Quantitative Compound List

* Compound	CAS
* Acetone	67-64-1 75-
* Acetonitrile	05-8 107-
* Acrylonitrile	13-1 71-43-
* Benzene	2 108-86-1
* Bromobenzene	74-97-5 75-
* Bromochloromethane	27-4 75-25-
* Bromodichloromethane	2 106-99-0
* Bromoform	98-06-6
* 1,3- Butadiene	135-98-8
* tert- Butylbenzene	104-51-8
* sec- Butylbenzene	75-15-0 56-
* n- Butylbenzene	23-5 108-
* Carbon Disulfide	90-7 124-
* Carbon Tetrachloride	48-1 107-
* Chlorobenzene	07-3 67-66-
* Chlorodibromomethane	3 126-99-8
2- Chloroethanol	107-05-1
* Chloroform	95-49-8
Chloroprene	106-43-4
* 3- Chloropropene	110-82-7
* 2- Chlorotoluene	96-12-8
* 4- Chlorotoluene	106-93-4
* Cyclohexane	74-95-3
* 1,2- Dibromo-3-chloropropane	1476 11-5
* 1,2- Dibromoethane	110-57-6
Dibromomethane	541-73-1
cis 1,4-Dichloro-2-butene	106-46-7
trans 1,4-Dichloro-2-butene	95-50-1 75-
* 1,3- Dichlorobenzene	34-3 107-
* 1,4- Dichlorobenzene	06-2 156-
* 1,2- Dichlorobenzene	60-5 75-35-
* 1,1- Dichloroethane	4 156-59-2
* 1,2- Dichloroethane	594-20-7
* trans 1,2-Dichloroethene	78-87-5
* 1,1- Dichloroethene	142-28-9
* cis 1,2-Dichloroethene	563-58-6
2,2- Dichloropropane	10061-02-6
* 1,2- Dichloropropane	10061-01-5
1,3- Dichloropropane	
1,1- Dichloropropene	
* trans 1,3-Dichloropropene	
* cis 1,3-Dichloropropene	

Core Quantitative Compound List

* Compound	CAS
Diethyl ether	60-29-7
* 1,4- Dioxane	123-91-1
Ethanol	64-17-5
Ethylacetate	141-78-6
* Ethylbenzene	100-41-4
Ethylmethacrylate	97-63-2
4- Ethyltoluene	622-96-8
* Hexachlorobutadiene	87-68-3
* Hexane (C 6)	110-54-3
Isooctane	540-84-1
Isopropanol	67-63-0
* Isopropylbenzene	98-82-8
p- Isopropyltoluene	99-87-6
Methacrylonitrile	126-98-7
* Methyl methacrylate	80-62-6
* Methyl Tertiary Butyl Ether (MTBE)	1634-04-4
* 4- Methyl-2-pentanone	108-10-1
Methylacrylate	96-33-3
* Methylene Chloride	75-09-2
2- Methylnaphthalene	91-57-6
* Naphthalene	91-20-3
Nitrobenzene	98-95-3
Pentachloroethane	76-01-7
Propionitrile	107-12-0
* n- Propylbenzene	103-65-1
* Styrene	100-42-5
* 1,1,1,2- Tetrachloroethane	630-20-6
* 1,1,2,2- Tetrachloroethane	79-34-5
* Tetrachloroethene	127-18-4
* Tetrahydrofuran	109-99-9
* Toluene	108-88-3
* 1,1,2- Trichloro-1,2,2-trifluoroethane	76-13-1
* 1,2,4- Trichlorobenzene	120-82-1
* 1,2,3- Trichlorobenzene	87-61-6
* 1,1,1- Trichloroethane	71-55-6
* 1,1,2- Trichloroethane	79-00-5
* Trichloroethene	79-01-6
1,2,3- Trichloropropane	96-18-4
* 1,3,5- Trimethylbenzene	108-67-8
* 1,2,4- Trimethylbenzene	95-63-6
m,p- Xylene	108-38-3
* o- Xylene	106-42-3
	95-47-6

Notes: Some compounds may appear on more than one list.

*Indicates a NY NELAC TO-17 Certified Compound

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Semi-Quantitative Compound List

Compound	CAS
Acenaphthene	83-32-9
Acenaphthylene	208-96-8
Acetaldehyde	75-07-0
Acetic Acid	64-19-7
Acetoin	513-86-0
Acetol	116-09-6
Acetone	67-64-1
Acetonitrile	75-05-8
Acetophenone	98-86-2
Acrolein	107-02-8
Acrylamide	79-06-1
Acrylonitrile	107-13-1
Allyl alcohol	107-18-6
Aniline	62-53-3
Anthracene	120-12-7
Benzaldehyde	100-52-7
Benzisothiazolone	2634-33-5
2,3- Benzofuran	271-89-6
Benzoic acid	65-85-0
Benzonitrile	100-47-0
Benzophenone	119-61-9
p- Benzoquinone	106-51-4
Benzothiazole	95-16-9
Benzothiazole	95-15-8
Benzothiophene	100-51-6
Benzyl alcohol	100-44-7
Benzylchloride	122-63-4
Benzylpropionate	92-52-4
Biphenyl	80-05-7
Bisphenol A	507-70-0
1- Borneol	5162-44-7
4- Bromo-1-butene	3017-95-6
2- Bromo-1-chloropropane	78-76-2
2- Bromobutane	590-17-0
Bromochloroacetonitrile	106-39-8
4- Bromochlorobenzene	108-37-2
3- Bromochlorobenzene	694-80-4
2- Bromochlorobenzene	593-98-6
Bromochlorofluoromethane	MI 460-
Bromodichlorobenzene	00-4 106-
4-Bromofluorobenzene, Surr.	99-0 123-
1,3- Butadiene	72-8 106-
Butanal	97-8
Butane (C 4)	

Semi-Quantitative Compound List

Compound	CAS
2- Butanol	15892-23-6
1- Butanol	71-36-3 75-
tert- Butanol	65-0 4170-
trans-2- Butenal	30-3 107-
2- Butene	01-7 624-
trans-2- Butene	64-6 5131-
1- Butoxy-2-propanol	66-8 111-
2- Butoxyethanol	76-2 112-
Butoxyethoxyethanol	34-5 112-
2- Butoxyethylacetate	07-2 585-
m-tert-Butyl phenol	34-2 123-
n- Butylacetate	86-4 540-
tert- Butylacetate	88-5 141-
Butylacrylate	32-2 109-
n- Butylamine	73-9 128-
Butylated Hydroxytoluene	37-0
4-tert-Butylcyclohexyl acetate	32210-23-4
di-n- Butyldisulfide	629-45-8
di-n- Butylether di-	142-96-1
tert- Butylether	6163-66-2
sec- Butylethylbenzene	28654-79-7
2-n- Butylfuran	4466-24-4
n- Butylmercaptan	109-79-5
sec- Butylmercaptan	513-53-1
tert- Butylmercaptan	75-66-1 97-
Butylmethacrylate	88-1 84-74-
di-n- Butylphthalate	2 107-92-6
Butyric Acid	79-92-5 76-
Camphene	22-2
Camphor	13956-29-1
Cannabidiol (CBD)	105-60-2
Caprolactam	75-15-0
Carbon Disulfide	558-13-4
Carbontetrabromide	463-58-1
Carbonyl Sulfide	13466-78-9
3- Carene	99-49-0 87-
Carvone	44-5 120-
Caryophyllene	80-9 469-
Catechol	61-4 77-53-
a- Cedrene	2 75-68-3
Cedrol	2317-91-1
1- Chloro-1,1-difluoroethane	
1- Chloro-1-fluoroethene	

Notes: Some compounds may appear on more than one list.
 Some compounds may be Semi-Volatile and require separate sampling/analysis.
 MI - compound has multiple isomers which are not differentiated, therefore, no CAS number is listed.

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Compounds based on EPA Method TO-17 and ISO Method 16000-6 for Thermal Desorption GC-MS.

CAS: Chemical Abstract Service number (unique identifier)

Semi-Quantitative Compound List

Compound	CAS
1- Chloro-1-propene	590-21-6
3- Chloro-2-methyl-1-propene	563-47-3
5- Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4
1- Chloro-2-propanol	127-00-4
1- Chloro-3,3,3-trifluoropropene	102687-65-0
Chloroaniline	MI 89-98-5
2- Chlorobenzaldehyde p-	106-54-7 98-
Chlorobenzenethiol	3- 15-7 98-56-6
Chlorobenzotrifluoride	4- 2698-41-1
Chlorobenzotrifluoride	o- 109-69-3 75-
Chlorobenzylidene malononitrile	1- 45-6 75-00-3
Chlorobutane	107-07-3
Chlorodifluoromethane	110-75-8 74-
Chloroethane	87-3 106-48-
2- Chloroethanol	9 126-99-8
2- Chloroethylvinylether	107-05-1
Chloromethane	557-98-2 79-
p- Chlorophenol	38-9 14371-
Chloroprene	10-9 5392-
3- Chloropropene	40-5 106-22-
2- Chloropropene	9 150-84-5
Chlorotrifluoroethene	105-85-1
Cinnamaldehyde	3856-25-5
Citral	106-44-5
Citronellol	108-39-4 95-
Citronellyl acetate	48-7 17699-
Citronellyl formate	14-8 110-82-
Copaene	7 108-93-0
p- Cresol	108-94-1
m- Cresol	110-83-8
o- Cresol	108-91-8
a- Cubebene	101-83-7
Cyclohexane	7560-83-0
Cyclohexanol	287-92-3
Cyclohexanone	120-92-3
Cyclohexene	142-29-0 91-
Cyclohexylamine	17-8
N- Cyclohexylcyclohexanamine	
N- Cyclohexyl-N-methylcyclohexanamine	
Cyclopentane	
Cyclopentanone	
Cyclopentene	
Decahydronaphthalene	

Semi-Quantitative Compound List

Compound	CAS
Decamethyltetrasilane	865-76-9
Decamethyltetrasiloxane (L4)	141-62-8
Decanal	112-31-2
Decane (C 10)	124-18-5
Decanoic Acid	334-48-5
2- Decanone	693-54-9
Diacetyl	431-03-8
Diallyl disulfide	2179-57-9
Diallyl sulfide	592-88-1
Diallyl tetrasulfide	2444-49-7
Diallyl trisulfide	2050-87-5
Dibenzofuran	132-64-9
2,5- Dibromotoluene	615-59-8
2,2- Dichloro-1,1,1-trifluoroethane	306-83-2
1,1- Dichloro-1-fluoroethane	1717-00-6
2,3- Dichloro-1-propene	78-88-6
trans 1,4-Dichloro-2-butene	110-57-6
cis 1,4-Dichloro-2-butene	1476-11-5
1,1- Dichloro-2-ethenyl-cyclopropane	694-33-7
1,3- Dichloro-2-propanol	96-23-1
Dichlorobutane	541-33-3
Dichlorodifluoromethane	75-71-8 75-
Dichlorofluoromethane	43-4 120-
2,4-Dichlorophenol (2,4-D or DCP)	83-2 76-14
1,2- Dichlorotetrafluoroethane	2 60-29-7
Diethyl ether	623-91-6
Diethyl fumarate	141-05-9
Diethyl maleate	84-66-2
Diethyl phthalate	109-89-7
Diethylamine	105-05-5
1,4- Diethylbenzene	135-01-3
1,2- Diethylbenzene	141-93-5
1,3- Diethylbenzene	110-81-6
Diethyldisulfide	111-46-6
Diethylene glycol	111-90-0
Diethylene glycol ethyl ether	617-84-5
N,N- Diethylformamide	134-62-3
Diethyltoluamide	75-37-6
1,1- Difluoroethane	1708-29-8
2,5- Dihydrofuran	4253-89-8
Diisopropylsulfide	21962-24-3
1,1- Dimethoxy-2-butene	110-71-4
1,2- Dimethoxyethane	

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Compound	CAS
10032-05-0	1,2-Dimethoxyheptane
1599-40-0	1,2-Dimethoxyhexane
109-87-5	1,2-Dimethoxymethane
18824-60-0	1,2-Dimethoxynonane
10022-18-2	1,2-Dimethoxyoctane
772-85-0	1,2-Dimethoxypropane
1719-55-5	N, N-Dimethyl acetamide
616-38-6	Dimethyl carbonate
115-10-6	Dimethyl ether
131-11-3	Dimethyl phthalate
67-71-0	Dimethyl sulfone
1739-84-0	1,2-Dimethyl-1H-Imidazole
2370-12-9	2,2-Dimethyl-1-pentanol
108-83-8	2,6-Dimethyl-4-heptanone
18479-58-8	2,6-Dimethyl-7-octen-2-ol
627-93-0	Dimethyladipate
124-40-3	Dimethylamine
108-01-0	2-Dimethylaminoethanol
3033-62-3	bis (2-Dimethylaminoethyl)ether
3030-47-5	bis (2-Dimethylaminoethyl)methylamine
5779-94-2	2,5-Dimethylbenzaldehyde
121-69-7	N, N-Dimethyl-benzenamine
103-83-3	N, N-Dimethylbenzenemethanamine
75-83-2	2,2-Dimethylbutane
79-29-8	2,3-Dimethylbutane
98-94-2	N, N-Dimethylcyclohexanamine
590-66-9	Dimethylcyclohexane
624-92-0	Dimethyldisulfide
6669-13-2	1,2-Dimethylethoxybenzene
6811-2-2	N, N-Dimethylformamide
3710-49-8	2,4-Dimethylfuran
625-86-5	2,5-Dimethylfuran
1149-40-0	MI Dimethylglutarate
108-08-7	Dimethylhexane
562-49-3	Dimethylpentane
103-67-9	Dimethylpentane
528-75-0	Dimethylphenol
9523-4	Dimethylphenol
462-52-1	Dimethylphenol
123-32-0	Dimethylpropane
102-55-0	Dimethylpyrazine
75-18-3	Dimethylsuccinate
3658-80-8	Dimethylsulfide
	Dimethyltrisulfide

Semi-Quantitative Compound List

Compound	CAS
1,4-Dioxane	123-91-1
Diphenylether	101-84-8
	110-98-5;
Dipropylene glycol	106-62-7;
	108-61-2
	13588-28-8;
Dipropylene glycol methyl ether	34590-94-8
1,3-Di-tert-butylbenzene	1014-60-4
Dodecamethylcyclohexasiloxane (D6)	540-97-6
Dodecamethylpentasiloxane (L5)	141-63-9
Dodecanal	112-54-9
Dodecane (C 12)	112-40-3
Dodecanoic Acid	143-07-7
1-Dodecanol	112-53-8
1-Dodecene	112-41-4
Epichlorhydrin	106-89-8
Estragole	140-67-0
Ethanol	64-17-5
4-Ethenyl cyclohexene	100-40-3
2-Ethoxyethanol	110-80-5
	539-30-0
Ethoxymethylbenzene	108-64-5
Ethyl 3-methylbutyrate	97-64-3
Ethyl lactate	637-92-3
Ethyl tertiary butyl ether	104-76-7
2-Ethyl-1-hexanol	1632-16-2
2-Ethyl-1-hexene	763-69-9
Ethyl-3-ethoxypropionate	4359-46-0
2-Ethyl-4-methyl-1,3-dioxolane	141-78-6
Ethylacetate	140-88-5
Ethylacrylate	75-04-7 93-
Ethylamine	89-0 105-
Ethylbenzoate	54-4 1678-
Ethylbutyrate	91-7 1640-
Ethylcyclohexane	89-7 107-
Ethylcyclopentane	21-1 75-21-
Ethylene Glycol	8 123-66-0
Ethylene oxide	149-57-5
Ethylhexanoate	5444-75-7
Ethylhexanoic acid	118-60-5
Ethylhexyl benzoate	103-09-3
2-Ethylhexyl salicylate	103-11-7
2-Ethylhexylacetate	75-08-1
2-Ethylhexylacrylate	
Ethylmercaptan	

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Semi-Quantitative Compound List

Compound	CAS
Ethylmethacrylate	97-63-2
2- Ethyltoluene	611-14-3
3- Ethyltoluene	620-14-4
4- Ethyltoluene	622-96-8
Eucalyptol	470-82-6
Eugenol	97-53-0
Fenchol	1632-73-1
Fenchone	4695-62-9
Fluorene	86-73-7
Fluorobenzene	462-06-6
Formamide	75-12-7
Formic acid	64-18-6
n- Formylmorpholine	4394-85-8
3- Furaldehyde 2-	498-60-2
Furaldehyde	98-01-1
Furan	110-00-9
2- Furanmethanol	98-00-0
2-Furyl methyl ketone	1192-62-7
Geraniol	106-24-1
Geranyl acetate	105-87-3
Glutaraldehyde	111-30-8
Glycerin	56-81-5
Heptadecane (C 17)	629-78-7
1,1,1,2,2,3,3- Heptafluoropropane	2252-84-8
1,1,1,2,3,3,3- Heptafluoropropane	431-89-0
Heptanal	111-71-7
Heptane (C 7)	142-82-5
Heptanoic Acid	111-14-8
1- Heptanol	111-70-6
3- Heptanone	106-35-4
2- Heptanone	110-43-0
Heptylbenzene	1078-71-3
Hexachloroethane	67-72-1
Hexadecamethylheptasiloxane	541-01-5
Hexadecane (C 16)	544-76-3
1,1,1,3,3,3- Hexafluoro-2-propanol	920-66-1
(E)-1,1,1,4,4,4- Hexafluorobut-2-ene	407-60-3
(Z)-1,1,1,4,4,4- Hexafluorobut-2-ene	692-49-9
Hexamethylcyclotrisiloxane (D3)	541-05-9
Hexamethyldisiloxane (L2)	107-46-0
Hexanal	66-25-1
Hexane (C 6)	110-54-3
2,3- Hexanedione	3848-24-6

Semi-Quantitative Compound List

Compound	CAS
Hexanoic Acid	142-62-1 111-
1- Hexanol	27-3 626-93-7
2- Hexanol	591-78-6 592-
2- Hexanone	41-6 592-43-8
1- Hexene 2-	13269-52-8
Hexene 3-	112-25-4 107-
Hexene	41-5 118-56-9
Hexyl cellosolve	123-42-2 496-
Hexylene glycol	11-7 95-13-6
Homosalate	120-72-9 74-
4- Hydroxy-4-methyl-2-pentanone	88-4 123-92-2
Indane	125-12-2 75-
Indene	28-5 110-19-0
Indole	79-31-2 75-
Iodomethane	13-8 26675-
Isoamyl acetate	46-7 4390-04-
Isobornylacetate	9 40379-24-6
Isobutane	or 58430-94-7
Isobutyl acetate	540-84-1 78-
Isobutyric Acid	59-1 78-79-5
Isocyanic Acid	67-63-0 108-
Isoflurane	20-3 110-27-0
Isohexadecane	108-21-4 122-
Isononyl acetate	03-2 75-33-2
	89-79-2 138-
Isooctane	86-3 or 5989-
Isophorone	27-5 78-70-6
Isoprene	144-39-8 118-
Isopropanol	71-8 89-78-1
di-Isopropyl ether	or 1490-04-6
	89-80-5
Isopropyl myristate	
Isopropylacetate	
p- Isopropylbenzaldehyde	
Isopropylmercaptan	
1- Isopulegol	
Limonene	
Linalool	
Linalool propionate	
Maltol	
Menthol	
Menthone	

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Compound	CAS
Menthyl acetate	89-48-5
Mesityl methyl ketone	1667-01-2
Methacrylonitrile	126-98-7
Methamphetamine	537-46-2
2- Methoxy-1-propanol	1589-47-5
Methoxy-2-propanol	107-98-2
1- Methoxy-2-propylacetate	108-65-6
2- Methoxy-4-(1-propenyl)-phenol	97-54-1
Methoxybenzene	100-66-3
1- Methoxycyclohexene	931-57-7
2- Methoxyethanol	109-86-4
2- Methoxynaphthalene	93-04-9 90-
2- Methoxyphenol	05-1 24851-98-7
Methyl 2-(3-oxo-2-pentylcyclopentyl)acetate	2179-58-0
Methyl allyl disulfide	93-53-8
a-Methyl benzeneacetaldehyde	93-58-3 616-39-7
Methyl benzoate	78-93-3
Methyl diethylamine	107-31-3
Methyl ethyl ketone	563-80-4
Methyl formate	74-93-1
Methyl isopropyl ketone	80-62-6
Methyl mercaptan	119-36-8
Methyl methacrylate	1634-04-4
Methyl salicylate	1072-43-1
Methyl tertiary butyl ether	78-94-4
Methyl thiirane	19264-50-7
Methyl vinyl ketone	497-26-7
2- Methyl-1,3,5-hexatriene	123-51-3
2- Methyl-1,3-dioxolane	137-32-6
3- Methyl-1-butanol	563-45-1
2- Methyl-1-butanol	83-34-1
3- Methyl-1-butene	763-29-1
3- Methyl-1H-Indole	78-83-1
2- Methyl-1-pentene	115-11-7
2- Methyl-1-propanol	75-85-4
2- Methyl-1-propene	108-10-1
2- Methyl-2-butanol	78-85-3
4- Methyl-2-pentanone	872-50-4
2- Methyl-2-propenal	115-18-4
1- Methyl-2-pyrrolidinone	3852-09-3
2- Methyl-3-buten-2-ol	
Methyl-3-methoxypropionate	

Semi-Quantitative Compound List

Compound	CAS
4- Methyl-3-penten-2-one	141-79-7
6- Methyl-5-hepten-2-one	110-93-0
Methylacetate	79-20-9 96-
Methylacrylate	33-3 104-
4- Methylbenzaldehyde	87-0 529-
2- Methylbenzaldehyde	20-4 620-
3- Methylbenzaldehyde	23-5 4265-
2- Methylbenzofuran	25-2 MI
Methylbiphenyl	590-86-3
3- Methylbutanal	96-17-3 78-
2- Methylbutanal	78-4 MI
2- Methylbutane	100-60-7
Methylbutylbenzene	108-87-2
N- Methylcyclohexanamine	96-37-7
Methylcyclohexane	693-89-0
Methylcyclopentane	2958-75-0
1- Methylcyclopentene	2958-76-1
1- Methyldecahydronaphthalene	7452-79-1
2- Methyldecahydronaphthalene	20333-39-5
2- Methylenebutyrate	624-89-5
Methylethyldisulfide	534-22-5
Methylethylsulfide	930-27-8
2- Methylfuran 3-	589-81-1
Methylfuran 3-	592-27-8
Methylheptane 2-	589-34-4
Methylheptane 3-	591-76-4
Methylhexane 2-	556-61-6
Methylhexane	547-63-7
Methylisothiocyanate	109-02-4
2- Methylmethylpropionate	2212-32-0
4- Methylmorpholine	90-12-0
N-Methyl-N-(N,N-dimethyl aminoethyl)-aminoethanol	72437-68-4 2179-60-4 3877-15-4
1- Methylnaphthalene	2216-33-3
Methyl-n-pentylsulfide	2216-34-4
Methyl-n-propylsulfide	107-83-5
Methyl-n-propylsulfide	96-14-0
3- Methyloctane	109-06-8
4- Methyloctane	100-80-1
2- Methylpentane	
3- Methylpentane	
2- Methylpyridine	
m- Methylstyrene	

Notes: Some compounds may appear on more than one list.
 Some compounds may be Semi-Volatile and require separate sampling/analysis.
 MI - compound has multiple isomers which are not differentiated, therefore, no CAS number is listed.

AIR-SCAN COMPOUND LIST

Compounds based on EPA Method TO-17 and ISO Method 16000-6 for Thermal Desorption GC-MS.

CAS: Chemical Abstract Service number (unique identifier)

Semi-Quantitative Compound List

Compound	CAS
o- Methylstyrene a-	611-15-4
Methylstyrene 1-	98-83-9
(Methylthio)-1-propene 2-	42848-06-6
Methylthiobutane	10359-64-5
Methylthiophene	554-14-3
3- Methylthiophene	616-44-4
Morpholine	110-91-8
Myrcene	123-35-3
Neryl acetate	141-12-8
Nicotine	54-11-5 75-
Nitromethane	52-5 62-75-
N- Nitrosodimethylamine	9 124-19-6
Nonanal	111-84-2
Nonane (C 9)	112-05-0
Nonanoic Acid	821-55-6
2- Nonanone	18829-56-6
trans 2-Nonenal	811-97-2
Norflurane	593-45-3
Octadecane (C18)	556-67-2
Octamethylcyclotetrasiloxane (D4)	107-51-7
Octamethyltrisiloxane (L3)	124-13-0
Octanal	111-65-9
Octane (C 8)	124-07-2
Octanoic Acid	111-87-5
1- Octanol 3-	589-98-0
Octanol 1-	3391-86-4
Octen-3-ol	629-82-3
Octyl ether	108-60-1
2,2- Oxybis(1-chloropropane)	76-01-7 87-
Pentachloroethane	86-5 629-
Pentachlorophenol	62-9 504-
Pentadecane (C 15)	60-9 406-
1,3- Pentadiene	58-6 354-
1,1,1,3,3- Pentafluorobutane	33-6 460-
Pentafluoroethane	73-1
1,1,1,3,3- Pentafluoropropane	13475-82-6
2,2,4,6,6- Pentamethylheptane	30586-18-6
Pentamethylheptane	110-62-3
Pentanal	109-66-0
Pentane (C 5)	600-14-6
2,3- Pentanedione	109-52-4
Pentanoic Acid	71-41-0
1- Pentanol	

Semi-Quantitative Compound List

Compound	CAS
2- Pentanone 1-	107-87-9
Pentene 2-	109-67-1
Pentene n-	109-68-2
Pentylacetate 2-	628-63-7
Pentylfuran	3777-69-3
p-tert- Pentylphenol	80-46-6 99-
a- Phellandrene	83-2 85-01-
Phenanthrene	8 108-95-2
Phenol	122-99-6
2-Phenoxy ethanol	48145-04-6
2- Phenoxyethylacrylate	104-55-2
3- Phenyl-2-propenal	122-78-1
Phenylacetaldehyde	4994-16-5
4- Phenylcyclohexene	60-12-8 93-
2- Phenylethanol	92-5 536-
1- Phenylethylacetate	74-3 617-
Phenylethyne	94-7 140-
2- Phenylisopropanol	11-4 100-
Phenylmethylacetate	68-5 90-43-
Phenylmethylsulfide	7 106-99-6
o- Phenylphenol	473-55-2
3- Picoline	127-91-3
Pinane	80-56-8
B- Pinene	123-38-6
a- Pinene	74 98-6 79
Propanal	09-4 71-23-
Propane	8 300-57-2
Propanoic Acid	104-46-1
1- Propanol	57-57-8
2-Propenyl benzene	107-12-0
p-tert- Propenylanisole	2807-30-9
b- Propiolactone	106-36-5
Propionitrile	109-60-4
2- Propoxyethanol	107-10-8
Propyl propionate	1678-92-8
n- Propylacetate	629-19-6
n- Propylamine	115-07-1
Propylcyclohexane	108-32-7
di-n- Propyldisulfide	57-55-6
Propylene	1569-01-3
Propylene Carbonate	
Propylene glycol	
Propylene glycol n-propyl ether (PGPE)	

Notes: Some compounds may appear on more than one list.
 Some compounds may be Semi-Volatile and require separate sampling/analysis.
 MI - compound has multiple isomers which are not differentiated, therefore, no CAS number is listed.

AIR-SCAN COMPOUND LIST

Compounds based on EPA Method TO-17 and ISO Method 16000-6 for Thermal Desorption GC-MS.
CAS: Chemical Abstract Service number (unique identifier)

Semi-Quantitative Compound List

Compound	CAS
2- Propylfuran	4229-91-8
n- Propylmercaptan	107-03-9
Pulegone	89-82-7
Pyrazine	290-37-9
Pyridine	110-86-1
Rose Oxide	16409-43-1
Salicylaldehyde	90-02-8
Sevoflurane	28523-86-6
Sulfolane	126-33-0
Sulfur dioxide	7446-09-5
Syringol	91-10-1
gamma- Terpinene	99-85-4
a- Terpinene	99-86-5
alpha- Terpineol	98-55-5
Terpinolene	586-62-9
a-Terpinyl acetate	80-26-2
Tetradecamethylheptasiloxane	107-50-2
Tetradecamethylhexasiloxane	107-52-8
Tetradecane (C 14)	629-59-4
1- Tetradecanol	112-72-1
1,3,3,3- Tetrafluoroprop-1-ene	1645-83-6
Tetrahydrocannabinol (THC)	1972-08-3
Tetrahydrofuran	109-99-9
Tetrahydrothiophene	110-01-0
2,4,7,9- Tetramethyl-5-decyne-4,7-diol	126-86-3
Texanol-A	74367-33-2
Texanol-B	74367-34-3
Thiophene	110-02-1
Thiophenol	108-98-5
Thymol	89-83-8
Tri(2-chloroethyl) phosphate (TCEP)	115-96-8
Triacetin	102-76-1
Tributylamine	102-82-9
1,1,2- Trichloro-1,2,2-trifluoroethane	76-13-1
Trichlorobenzene	MI
Trichlorofluoroethane	75-69-4
2,4,5- Trichlorophenol	95-95-4
Tricyclene	508-32-7
Tridecane (C 13)	629-50-5
Triethylamine	121-44-8
Triethylbenzene	MI
Triethylene diamine	280-57-9

Semi-Quantitative Compound List

Compound	CAS
Triethyl phosphate	78-10-0
1,3,5- Trisopropylbenzene	115-74-0
Triisobutyl Pentanyl Diisobutyrate	6846-50-0
1,3,5- Triisopropylbenzene	108-67-0
1,2,3- Triisopropylbenzene	526-72-0
1,2,4- Triisopropylbenzene	95-03-0
Trimethylcyclohexane	MI
3,3,5- Trimethylcyclohexanone	872-91-9
Trimethylethylbenzene	MI
2,2,4- Trimethylpentane	540-84-1
2,3,3- Trimethylpentane	560-21-4
2,3,4- Trimethylpentane	565-75-7
Trimethylpyrazine	14667-55-1
Trimethylsilane	903-07-7
Trimethylsilanol (TMS)	1066-40-6
25498-49-1;	
Tripropylene glycol methyl ether (TPGME)	10213-77-1
20324-33-8	
Tris(1,3-dichloroisopropyl) phosphate (TDCP)	13674-87-8
13674-84-5	
Tris(1-chloro-2-propyl) phosphate (TCPP)	112-44-7
1,2,4- Trithiolane	289-16-7
Undecanal	112-44-7
Undecane (C 11)	1120-21-4
Undecanoic Acid	112-37-8
Urea	57-13-6
Vanillic Acid	121-34-6
Vanillin	121-33-5
Vinyl bromide	593-60-2
Vinylacetate	108-05-4

Notes: Some compounds may appear on more than one list.
Some compounds may be Semi-Volatile and require separate sampling/analysis.
MI - compound has multiple isomers which are not differentiated, therefore, no CAS number is listed.

AIR-SCAN COMPOUND LIST

Compounds based on EPA Method TO-17 and ISO Method 16000-6 for Thermal Desorption GC-MS. CAS:
Chemical Abstract Service number (unique identifier)

IAQ Survey Significant VOCs (Semi-Quant/Estimated)

Compound	CAS
Acetone	67-64-1 75-
Acetonitrile	05-8 71-43-2
Benzene	106-97-8 75-
Butane (C4)	25-2 71-36-3
Bromoform	5131-66-8
1- Butanol	111-76-2
1- Butoxy-2-propanol	112-34-5
2- Butoxyethanol	123-86-4 79-
Butoxyethoxyethanol	92-5 76-22-2
n- Butylacetate	75-15-0 56-
Camphene	23-5 463-58-
Camphor	1 75-68-3
Carbon disulfide	75-45-6 67-
Carbon tetrachloride	66-3 110-82-
Carbonyl sulfide	7 108-94-1
1- Chloro-1,1-difluoroethane	124-18-5
Chlorodifluoromethane	1717-00-6
Chloroform	106-46-7 75-
Cyclohexane	71-8 107-06-
Cyclohexanone	2 156-60-5
Decane (C10)	76-14-2 111-
1,1- Dichloro-1-fluoroethane	90-0 75-37-6
1,4- Dichlorobenzene	115-10-6
Dichlorodifluoromethane	624-92-0 75-
1,2- Dichloroethane	18-3 110-98-
trans 1,2- Dichloroethene	5; 106-62-7;
1,2- Dichlorotetrafluoroethane	108-61-2
Diethylene glycol ethyl ether	13588-28-8;
1,1- Difluoroethane	34590-94-8
Dimethyl ether	112-40-3
Dimethyldisulfide	64-17-5
Dimethylsulfide	104-76-7
	141-78-6
	100-41-4
Dipropylene glycol	105-54-4
	107-21-1
Dipropylene glycol methyl ether	97-63-2
Dodecane (C 12)	470-82-6
Ethanol	110-00-9
2- Ethyl-1-hexanol	142-82-5
Ethylacetate	66-25-1
Ethylbenzene	110-54-3
Ethylbutyrate	112-25-4
Ethylene glycol	75-28-5
Ethylmethacrylate	
Eucalyptol	
Furan	
Heptane (C 7)	
Hexanal	
Hexane (C 6)	
Hexyl cellosolve	
Isobutane	

IAQ Survey Significant VOCs (Semi-Quant/Estimated)

Compound	CAS
Isopropanol	67-63-0 99-
p- Isopropyltoluene	87-6 138-
Limonene	86-3 or 5989-27-5
Menthol	89-78-1 or 1490-04-6
Methoxy-2-propanol	107-98-2
Methyl ethyl ketone (MEK)	78-93-3
Methyl methacrylate	80-62-6
Methyl salicylate	119-36-8
2- Methyl-1-propanol	78-83-1
2- Methylbutane	78-78-4
Methylcyclohexane	108-87-2
Methylene chloride	75-09-2
3- Methylhexane	589-34-4
2- Methylhexane	591-76-4
2- Methyl-naphthalene	91-57-6
Naphthalene	91-20-3
Nonane (C 9)	111-84-2
Norflurane	811-97-2
Octane (C 8)	111-65-9
Pentadecane (C 15)	629-62-9
1,1,1,3,3- Pentafluoropropane	460-73-1
Pentane (C 5)	109-66-0
1- Pentanol	71 41-0
4- Phenylcyclohexene	4994 16 5
a- Pinene	80-56-8
Propane	74-98-6
Propylcyclohexane	1678-92-8
Propylene glycol	57-55-6
Propylene glycol n-propyl ether	1569-01-3
Styrene	100-42-5
Tetrachloroethene	127-18-4
Tetradecane (C 14)	629-59-4
Tetrahydrofuran	109-99-9
Texanol-A	74367-33-2
Texanol-B	74367-34-3
Toluene	108-88-3
1,1,1- Trichloroethane	71-55-6
Trichloroethene	79-01-6
Trichlorofluoromethane	75-69-4
Tridecane (C 13)	629-50-5
1,2,4- Trimethylbenzene	95-63-6
1,3,5- Trimethylbenzene	108-67-8
	25498-49-1;
	10213-77-1;
Tripropylene glycol methyl ether (TPGME)	20324-33-8
	1120-21-4
Undecane (C 11)	108-38-3;
	106-42-3
m,p- Xylene	95-47-6
o- Xylene	

Notes: Some compounds may appear on more than one list.

AIR-SCAN COMPOUND LIST

 Compounds based on EPA Method TO-17 and ISOMethod 16000-6 for Thermal Desorption GC-MS. CAS:
 Chemical Abstract Service number (unique identifier)

LEEDv4 BDC (Quant./Semi-Quant)

* Compound	CAS
Acetaldehyde	75-07-0
Benzene	71-43-2
Carbon disulfide	75-15-0
Carbon tetrachloride	56-23-5
Chlorobenzene	108-90-7
Chloroform	67-66-3
1,4- Dichlorobenzene	106-46-7
1,1- Dichloroethene	75-35-4
N,N- Dimethylformamide	68-12-2
1,4- Dioxane	123-91-1
Epichlorhydrin	106-89-8
2- Ethoxyethanol	110-80-5
2- Ethoxyethyl acetate	111-15-9
Ethylbenzene	100-41-4
* Ethylene glycol	107-21-1
Hexane (C 6)	110-54-3
Isophorone	78-59-1
Isopropanol	67-63-0
Methoxy-2-propanol	107-98-2
2- Methoxyethanol	109-86-4
2- Methoxyethyl acetate	110-49-6
Methyl tertiary butyl ether	1634-04-4
Methylene chloride	75-09-2
Naphthalene	91-20-3
Phenol	108-95-2
Styrene	100-42-5
Tetrachloroethene	127-18-4
Toluene	108-88-3
1,1,1- Trichloroethane	71-55-6
Trichloroethene	79-01-6
Vinylacetate	108-05-4
m,p- Xylene	108-38-3; 106-42-3
o- Xylene	95-47-6

LEEDv4 O+M (Quantitative)

Compound	CAS
Acetaldehyde	75-07-0
Benzene	71-43-2
1,4- Dichlorobenzene	106-46-7
Naphthalene	91-20-3
Styrene	100-42-5
Toluene	108-88-3
m,p- Xylene	108-38-3; 106-42-3
o- Xylene	95-47-6

GSS-4PCH (Quantitative)

Compound	CAS
4- Phenylcyclohexene	4994-16-5

LEEDv4.1 (Quantitative)

Compound	CAS
Benzene	71-43-2
1,4- Dichlorobenzene	106-46-7
Hexane (C 6)	110-54-3
Naphthalene	91-20-3
Phenol	108-95-2
Styrene	100-42-5
Tetrachloroethene	127-18-4
Toluene	108-88-3
Vinylacetate	108-05-4
m,p- Xylene	108-38-3; 106-42-3
o- Xylene	95-47-6

WELLv2 Pilot (Quantitative)

Compound	CAS
Benzene	71-43-2
Carbon disulfide	75-15-0
Carbon tetrachloride	56-23-5
Chlorobenzene	108-90-7
Chloroform	67-66-3
1,4- Dichlorobenzene	106-46-7
1,1- Dichloroethene	75-35-4
Ethylbenzene	100-41-4
Hexane (C 6)	110-54-3
Isopropanol	67-63-0
Methyl tertiary butyl ether	1634-04-4
Methylene chloride	75-09-2
Styrene	100-42-5
Tetrachloroethene	127-18-4
Toluene	108-88-3
1,1,1- Trichloroethane	71-55-6
Trichloroethene	79-01-6
Vinylacetate	108-05-4
m,p- Xylene	108-38-3; 106-42-3
o- Xylene	95-47-6

WELLv2 Graduated (Quantitative)

Compound	CAS
Benzene	71-43-2
Toluene	108-88-3

WELLv2 Graduated (Quantitative)

Compound	CAS
Benzene	71-43-2
Toluene	108-88-3
Acrylonitrile	107-13-1
Caprolactam	105-60-2
Naphthalene	91-20-3

AIR-SCAN COMPOUND LIST

Compounds based on EPA Method TO-17 and ISO Method 16000-6 for Thermal Desorption GC-MS.

CAS: Chemical Abstract Service number (unique identifier)

TO-B VOCs (Quantitative)

Compound	CAS
Benzaldehyde	100-52-7
Benzyl alcohol	100-51-6
1- Butanol	71-36-3
n- Butylacetate	123-86-4
1- Chloro-1,1-difluoroethane	75-68-3 98-
3- Chlorobenzotrifluoride	15-7 124-
Decane (C 10)	18-5 75-71-
Dichlorodifluoromethane	8 76-14-2
1,2- Dichlorotetrafluoroethane	68-12-2
N,N- Dimethylformamide	112-40-3
Dodecane (C 12)	106-89-8
Epichlorhydrin	105-54-4
Ethylbutyrate	142-82-5
Heptane (C 7)	66-25-1 78-
Hexanal	59-1 78-79-
Isophorone	5 138-86-3
Isoprene	or 5989-27-
Limonene	5 119-36-8
Methyl salicylate	111-65-9
Nonane (C 9)	629-62-9
Octane (C 8)	110-62-3
Pentadecane (C 15)	109-66-0
Pentanal	108-95-2
Pentane (C 5)	4994-16-5
Phenol	80-56-8 71-
4- Phenylcyclohexene	23-8 629-
a- Pinene	59-4 75-69-
1- Propanol	4 629-50-5
Tetradecane (C 14)	1120 21 4
Trichlorofluoromethane	
Tridecane (C 13)	
Undecane (C 11)	

Tobacco Smoke Marker VOCs (Quantitative)

Compound	CAS
2,5- Dimethylfuran	625-86-5
3- Ethenylpyridine	1121-55-7
Nicotine	54-11-5

MoldScan VOCs (Quantitative)

Compound	CAS
Furan	110-00-9
2- Methylfuran	534-22-5
3- Methylfuran	930-27-8
Methyl ethyl ketone	78-93-3 78-
2- Methyl-1-propanol 2- Methyl-	83-1 75-85-
2-butanol 3- Methyl-2-butanol 2-	4 598-75-4
Pentanol 3- Methyl-1-butanol 2-	6032-29-7
Methyl-1-butanol 1- Pentanol 2-	123-51-3
Hexanone 2- Heptanone 2-	137-32-6
Pentylfuran 1- Octen-3-ol 3-	71-41-0
Octanone 3- Octanol 2- Ethyl-1-	591-78-6
hexanol 1- Octanol 2- Isopropyl-	110-43-0
3-methoxypyrazine	3777-69-3
	3391-86-4
	106-68-3
	589-98-0
	104-76-7
	111-87-5
	25773-40-4
	19700-21-1

* Geosmin

Fire/Smok VOCs (Quant. & Semi-Quant.)

Primary Compounds	CAS
Acenaphthylene	208-96-8
Creosol	93-51-6
o- Cresol	95-48-7
m,p- Cresol	108-39-4 & 106-44-5
4- Ethyl-2-methoxyphenol	2785-89-9
2- Methoxyphenol	90-05-1
Secondary Compounds	CAS
Acetonitrile	75-05-8
Acrolein	107-02-8
Biphenyl	92-52-4
2,4- Dimethylphenol	105-67-9
2- Furaldehyde	98-01-1
Methylbiphenyl	MI 91-
2- Methylnaphthalene	57-6 91-
Naphthalene	20-3
Salicylaldehyde	90-02-8

Notes: Some compounds may appear on more than one list.

* Indicates Semi-Quantitative Value

MI - compound has multiple isomers which are not differentiated, therefore, no CAS number is listed.

AIR-SCAN COMPOUND LIST

Compounds based on EPA Method TO-17 and ISO Method 16000-6 for Thermal Desorption GC-MS.

CAS: Chemical Abstract Service number (unique identifier)

Marijuana Smoke/Vape (Semi-Quantitative)

*x	Compound	CAS
*	Cannabidiol (CBD)	13956-29-1
*	Tetrahydrocannabinol (THC)	1972-08-3

Polycyclic Aromatic Hydrocarbons (Quant./Semi-Quant.)

*x	Compound	CAS
	Acenaphthene	83-32-9
	Acenaphthylene	208-96-8
	Anthracene	120-12-7
	Benzo[a]anthracene	56-55-3
	Benzo[a]pyrene	50-32-8
	Benzo[b]fluoranthene	205-99-2
*	Benzo[g,h,i]perylene	191-24-2
	Benzo[k]fluoranthene	207-08-9
	Chrysene	218-01-9
*	Dibenzo[a,h]anthracene	53-70-3
	Fluoranthene	206-44-0
	Fluorene	86-73-7
*	Indeno[1,2,3-c,d]pyrene	193-39-5
	Naphthalene	91-20-3
	Phenanthrene	85-01-8
	Pyrene	129-00-0

Notes: Some compounds may appear on more than one list.
*x Indicates Semi-Quantitative Value