

COMPOUND LISTS

EPA Method TO-15 Volatile Organic Compounds (VOCs): 43 Compound List

	CAS #	Compound
1	67-64-1	Acetone
2	71-43-2	Benzene
3	75-27-4	Bromodichloromethane
4	75-25-2	Bromoform
5	74-83-9	Bromomethane
6	78-93-3	2-Butanone (MEK)
7	75-15-0	Carbon Disulfide
8	56-23-5	Carbon Tetrachloride
9	108-90-7	Chlorobenzene
10	75-00-3	Chloroethane
11	67-66-3	Chloroform
12	74-87-3	Chloromethane
13	124-48-1	Dibromochloromethane
14	106-93-4	1,2-Dibromoethane
15	95-50-1	1,2-Dichlorobenzene
16	541-73-1	1,3-Dichlorobenzene
17	106-46-7	1,4-Dichlorobenzene
18	75-34-3	1,1-Dichloroethane
19	107-06-2	1,2-Dichloroethane
20	75-35-4	1,1-Dichloroethene
21	156-59-2	Cis-1,2-Dichloroethene
22	156-60-5	trans-1,2-Dichloroethene
23	78-87-5	1,2-Dichloropropane
24	10061-01-5	Cis-1,3-Dichloropropene
25	10061-02-6	trans-1,3-Dichloropropene
26	100-41-4	Ethylbenzene
27	591-78-6	2-Hexanone
28	1634-04-4	Methyl tert-Butyl Ether
29	75-09-2	Methylene chloride

30	108-10-1	4-Methyl-2-pentanone (MIBK)
31	100-42-5	Styrene
32	79-34-5	1,1,2,2-Tetrachloroethane
33	127-18-4	Tetrachloroethene (PCE)
34	71-55-6	1,1,1-Trichloroethane
35	79-00-5	1,1,2-Trichloroethane
36	79-01-6	Trichloroethene (TCE)
37	75-69-4	Trichlorofluoromethane (Freon 11)
38	76-13-1	Trichlorotrifluoroethane (Freon 113)
39	108-88-3	Toluene
40	108-05-4	Vinyl Acetate
41	75-01-4	Vinyl Chloride
42	136777-61-2	<i>m,p</i> -Xylenes
43	95-47-6	<i>o</i> -Xylene

EPA Method TO-15 Volatile Organic Compounds (VOCs): 68 Compound List

	CAS #	Compound
1	67-64-1	Acetone
2	75-05-8	Acetonitrile
3	107-02-8	Acrolein
4	107-13-1	Acrylonitrile
5	107-05-1	Allyl Chloride
6	80-56-8	alpha-Pinene
7	71-43-2	Benzene
8	100-44-7	Benzyl Chloride
9	75-27-4	Bromodichloromethane
10	75-25-2	Bromoform
11	74-83-9	Bromomethane
12	106-99-0	1,3-Butadiene
13	78-93-3	2-Butanone (MEK)
14	123-86-4	<i>n</i> -Butyl Acetate
15	75-15-0	Carbon Disulfide
16	56-23-5	Carbon Tetrachloride
17	108-90-7	Chlorobenzene
18	75-00-3	Chloroethane
19	67-66-3	Chloroform
20	74-87-3	Chloromethane
21	98-82-8	Cumene
22	124-48-1	Dibromochloromethane
23	96-12-8	1,2-Dibromo-3-Chloropropane
24	106-93-4	1,2-Dibromoethane
25	95-50-1	1,2-Dichlorobenzene
26	541-73-1	1,3-Dichlorobenzene
27	106-46-7	1,4-Dichlorobenzene
28	75-71-8	Dichlorodifluoromethane (CFC 12) (Freon 12)
29	75-34-3	1,1-Dichloroethane
30	107-06-2	1,2-Dichloroethane

31	75-35-4	1,1-Dichloroethene
32	156-59-2	cis-1,2-Dichloroethene
33	156-60-5	trans-1,2-Dichloroethene
34	78-87-5	1,2-Dichloropropane
35	10061-01-5	cis-1,3-Dichloropropene
36	10061-02-6	trans-1,3-Dichloropropene
37	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114) (Freon 114)
38	123-91-1	1,4-Dioxane
39	106-89-8	Epichlorohydrin
40	64-17-5	Ethanol
41	100-41-4	Ethylbenzene
42	622-96-8	4-Ethyltoluene
43	87-68-3	Hexachlorobutadiene
44	110-54-3	n-Hexane
45	591-78-6	2-Hexanone
46	67-63-0	Isopropyl Alcohol
47	5989-27-5	d-Limonene
48	1634-04-4	Methyl tert-Butyl Ether
49	75-09-2	Methylene chloride
50	108-10-1	4-Methyl-2-pentanone
51	91-20-3	Naphthalene
52	111-84-2	n-Nonane
53	100-42-5	Styrene
54	79-34-5	1,1,2,2-Tetrachloroethane
55	127-18-4	Tetrachloroethene (PCE)
56	108-88-3	Toluene
57	120-82-1	1,2,4-Trichlorobenzene
58	71-55-6	1,1,1-Trichloroethane
59	79-00-5	1,1,2-Trichloroethane
60	79-01-6	Trichloroethene (TCE)
61	75-69-4	Trichlorofluoromethane (Freon 11)
62	76-13-1	Trichlorotrifluoroethane (Freon 113)

63	95-63-6	1,2,4-Trimethylbenzene
64	108-67-8	1,3,5-Trimethylbenzene
65	108-05-4	Vinyl Acetate
66	75-01-4	Vinyl Chloride
67	136777-61-2	<i>m,p</i> -Xylenes
68	95-47-6	<i>o</i> -Xylene

NIOSH 2549 Microbial Volatile Organic Compounds (MVOCs)

	CAS #	Compound
1		3-Methylfuran
2		2-Methyl-1-Propanol
3		2-Methyl-2-Butanol
4		3-Methyl-2-Butanol
5		2-Pentanol
6		3-Methyl-1-Butanol
7		2-Hexanone
8		2-Heptanone
9		1-Octen-3-ol
10		3-Octanone
11		3-Octanol
12		2-Octen-1-ol
13		2-Isopropyl-3-Methoxypyrazin
14		2-Methylisoborneol
15		Geosmin

ASTM D5504 Reduced Sulfur Compounds

(Also cited: SCAQMD 1150.1)

	CAS No.	COMPOUND
1	109-79-5	n-Butyl Mercaptan
2	75-66-1	tert-Butyl Mercaptan
3	75-15-0	Carbon Disulfide
4	463-58-1	Carbonyl Sulfide
5	110-81-6	Diethyl Disulfide
6	352-93-2	Diethyl Sulfide
7	624-92-0	Dimethyl Disulfide
8	75-18-3	Dimethyl Sulfide
9	638-02-8	2,5-Dimethylthiophene
10	75-08-1	Ethyl Mercaptan
11	624-89-5	Ethyl Methyl Sulfide
12	872-55-9	2-Ethylthiophene
13	7783-06-04	Hydrogen Sulfide
14	513-44-0	Isobutyl Mercaptan
15	75-33-2	Isopropyl Mercaptan
16	74-93-1	Methyl Mercaptan
17	616-44-4	3-Methylthiophene
18	107-03-9	n-Propyl Mercaptan
19	110-01-0	Tetrahydrothiophene
20	110-02-1	Thiophene

EPA TO-11A: Formaldehyde and Other Aldehydes

	CAS #	Compound
1	75-07-0	Acetaldehyde
2	100-52-7	Benzaldehyde
3	123-72-8	Butyraldehyde
4	123-73-9	Crotonaldehyde
5	5779-94-2	2,5-Dimethyl Benzaldehyde
6	50-00-0	Formaldehyde
7	66-25-1	Hexaldehyde
8	590-86-3	Isovaleraldehyde
9	123-38-6	Propionaldehyde
10	620-23-5	m-Tolualdehyde*
11	529-20-4	o-Tolualdehyde
12	104-87-0	p-Tolualdehyde*
13	110-62-3	Valeraldehyde

*Co-eluting compounds

EPA Method TO-13A Polycyclic Aromatic Hydrocarbons (PAHs)

	CAS #	Compound
1	208-96-8	Acenaphthalene
2	83-32-9	Acenaphthene
3	120-12-7	Anthracene
4	56-55-3	Benzo(a)anthracene
5	50-32-8	Benzo(a)pyrene
6	205-99-2	Benzo(b)fluoranthene
7	191-24-2	Benzo(g,h,i)perylene
8	207-08-9	Benzo(k)fluoranthene
9	218-01-9	Chrysene
10	53-70-3	Dibenzo(a,h)anthracene
11	206-44-0	Fluoranthene
12	86-73-7	Fluorene
13	193-39-5	Indeno(1,2,3-cd)pyrene
14	91-20-3	Naphthalene
15	85-01-8	Phenanthrene
16	129-00-0	Pyrene