**Section 211.7150 Volatile Organic Material (VOM) or Volatile Organic Compound (VOC)**

"Volatile organic material" (VOM) or "volatile organic compound" (VOC) means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, that participates in atmospheric photochemical reactions.

a) This definition of VOM includes any organic compound that participates in atmospheric photochemical reactions, other than the compounds listed in this subsection (a). USEPA has determined that the compounds listed in this subsection (a) have negligible photochemical reactivity.

2-Amino-2-methylpropan-1-ol (CAS No. 124-68-5)

Bis(difluoromethoxy)difluoromethane (HFE-236ca12, CAS No. 78522-47-1)

1,2-Bis(difluoromethoxy)-1,1,2,2-tetrafluoroethane

(HFE-338pcc13, CAS No. 188690-78-0)

tertiary-Butyl acetate (1,1-dimethylethyl acetic acid ester, CAS No. 540-88-5)

1-Chloro-1,1-difluoroethane (HCFC-142b, CAS No. 75-68-3)

Chlorodifluoromethane (CFC-22, CAS No. 75-45-6)

1-Chloro-1-fluoroethane (HCFC-151a, CAS No. 1615-75-4)

Chlorofluoromethane (HCFC-31, CAS No. 593-70-4)

Chloropentafluoroethane (CFC-115, CAS No. 76-15-3)

2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124, CAS No. 2837-89-0)

1-Chloro-4-(trifluoromethyl)benzene (parachlorobenzotrifluoride (PCBTF), CAS No. 98-56-6)

(1E)-1-Chloro-3,3,3-trifluoroprop-1-ene (trans-1-chloro-3,3,3-trifluoroprop-1-ene, CAS No. 102687-65-0)

1,1,1,2,2,3,4,5,5,5-Decafluoro-3-methoxy-4-trifluoromethylpentane (HFE-7300, CAS No. 132182-92-4)

1,1,1,2,3,4,4,5,5,5-Decafluoropentane (HFC-4310mee, CAS No. 138495-42-8)

Dichlorodifluoromethane (CFC-12, CAS No. 75-71-8)

1,1-Dichloro-1-fluoroethane (HCFC-141b, CAS No. 1717-00-6)

Dichloromethane (methylene chloride, CAS No. 75-09-2)

1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb, CAS No. 507-55-1)

3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca, CAS No. 422-56-0)

1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC-114, CAS No. 76-14-2)

1,1-Dichloro-2,2,2-trifluoroethane (HCFC-123, CAS No. 306-83-2)

1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a, CAS No. 354-23-4)

1,1-Difluoroethane (HFC-152a, CAS No. 75-37-6)

Difluoromethane (HFC-32, CAS No. 75-10-5)

(Difloromethoxy)difluoromethane (HFE-134, CAS No. 1691-17-4)

1-(Difloromethoxy)-2-[(difluoromethoxy)(difluoro)methoxy]-1,1,2,2-tetrafluoroethane (HFE-43-10pccc124, CAS No. 188690-77-9)

2-(Difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane (CAS No. 163702-08-7)

Dimethyl carbonate (CAS No. 616-38-6)

Ethane (CAS No. 74-84-0)

2-(Ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane (CAS No. 163702-06-5)

3-Ethoxy-1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl)hexane (HFE-7500, CAS No. 297730-93-9)

1-Ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane (HFE-7200, CAS No. 163702-05-4)

Fluoroethane (ethyl fluoride, HFC-161, CAS No. 353-36-6)

1,1,1,2,2,3,3-Heptafluoro-3-methoxypropane (HFE-7000, CAS No. 375-03-1)

1,1,1,2,3,3,3-Heptafluoropropane (HFC-227ea, CAS No. 431-89-0)

(Z)-1,1,1,4,4,4-Hexafluorobut-2-ene (HFO-1336mzz-Z, CAS No. 692-49-9)

1,1,1,2,3,3-Hexafluoropropane (HFC-236ea, CAS No. 431-63-0)

1,1,1,3,3,3-Hexafluoropropane (HFC-236fa, CAS No. 690-39-1)

Methane (CAS No. 74-82-8)

Methyl acetate (methyl ethanoate, CAS No. 79-20-9)

4-Methyl-1,3-dioxolan-2-one (propylene carbonate, CAS No. 108-32-7)

Methyl formate (methyl methanoate, CAS No. 107-31-3)

1,1,1,2,2,3,3,4,4-Nonafluoro-4-methoxybutane (HFE-7100, CAS No. 163702-07-6)

1,1,1,3,3-Pentafluorobutane (HFC-365mfc, CAS No. 406-58-6)

Pentafluoroethane (HFC-125, CAS No. 354-33-6)

1,1,1,2,3-Pentafluoropropane (HFC-245eb, CAS No. 431-31-2)

1,1,1,3,3-Pentafluoropropane (HFC-245fa, CAS No. 460-73-1)

1,1,2,2,3-Pentafluoropropane (HFC-245ca, CAS No. 679-86-7)

1,1,2,3,3-Pentafluoropropane (HFC-245ea, CAS No. 24270-66-4)

Perfluorocarbon compounds that fall into the following classes:

Cyclic, branched, or linear, completely fluorinated alkanes

Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations

Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations

Sulfur-containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine

Propan-2-one (acetone or dimethylketone, CAS No. 67-64-1)

Siloxanes: cyclic, branched, or linear completely-methylated

Tetrachloroethene (perchloroethylene, CAS No. 127-18-4)

1,1,1,2-Tetrafluoroethane (HFC-134a, CAS No. 811-97-2)

1,1,2,2-Tetrafluoroethane (HFC-134, CAS No. 359-35-3)

(1E)-1,3,3,3-Tetrafluoropropene (trans-1,3,3,3-tetrafluoropropene, HFO-1234ze, CAS No. 29118-24-9)

2,3,3,3-Tetrafluoroprop-1-ene (HFO-1234yf, CAS No. 754-12-1)

1,1,2,2-tetrafluoro-1-(2,2,2-trifluoroethoxy)ethane (HFE-347pcf2, CAS No. 406-78-0)

Trans-1,1,1,4,4,4-hexafluorobut-2-ene (also known as HFO-1336mzz(E); CAS number 66711-86-2))

1,1,1-Trichloroethane (methyl chloroform, CAS No. 71-55-6)

Trichlorofluoromethane (CFC-11, CAS No. 75-69-4)

1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113, CAS No. 76-13-1)

1,1,1-Trifluoroethane (HFC-143a, CAS No. 420-46-2)

Trifluoromethane (HFC-23, CAS No. 75-46-7)

b) For purposes of determining VOM emissions and compliance with emissions limits, VOM will be measured by the test methods in the approved implementation plan or 40 CFR 60, appendix A, incorporated by reference at 35 Ill. Adm. Code 215.105, 218.112, and 219.112, as applicable, or by source-specific test methods that have been established under a permit issued under a program approved or promulgated under Title V of the Clean Air Act; under 35 Ill. Adm. Code 203; or under Section 9.1(d) of the Act. If such a method also measures compounds with negligible photochemical reactivity, these negligibly reactive compounds may be excluded as VOM if the amount of those compounds is accurately quantified and the exclusion is approved by the Agency.

c) As a precondition to excluding these negligibly-reactive compounds as VOM, or at any time after exclusion, the Agency may require an owner or operator to provide monitoring or testing methods and results demonstrating, to the satisfaction of the Agency, the amount of negligibly reactive compounds in the source's emissions.

d) The USEPA will not be bound by any State determination as to appropriate methods for testing or monitoring negligibly reactive compounds if the determination is not reflected in any of the test methods in subsection (b).

(Source: Amended at 48 Ill. Reg. 1144, effective January 4, 2024)