

US EPA ARCHIVE DOCUMENT

# WHAT ARE C-SERIES AND VOLATILE ORGANIC COMPOUNDS?

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VOLATILE ORGANIC  
COMPOUNDS?

C-26 or hexachloroethane  
C-46 or hexachlorobutadiene  
C-58 or octachlorocyclopentadiene  
C-66 or hexachlorobenzene

- C-series compounds are generally insoluble in water, adsorb readily to soil or sediment particles, persist in the environment, and may bioaccumulate in organisms.

## *C-Series Compounds*

- The term "C-series compounds" is used to describe a group of organic chemicals that were manufactured, or derived as a result of the manufacturing process, at the OCC facility.

Occidental Chemical  
Corporation Located In  
Montague Township  
Michigan

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U.S. Environmental  
Protection Agency,  
Region 5  
Chicago, Illinois

## *Volatile Organic Compounds*

- Volatile organic compounds are a group of carbon-containing chemicals that evaporate readily at room temperature.

- Certain volatile organic compounds such as chloroform, carbon tetrachloride, trichloroethylene, and tetrachloroethylene can be derived from the electrolytic cell reaction that was used at the OCC facility to produce gaseous chlorine, hydrogen gas, and sodium hydroxide from brine.

- Volatile organic compounds are relatively insoluble in water but more soluble than C-series compounds and will volatilize when exposed to air.