

Fact Sheet Date: OCT 22 1993

**NEW YORK STATE
- HUMAN HEALTH FACT SHEET -**

**Ambient Water Quality Value for
Protection of Sources of Potable Water**

SUBSTANCE: Isopropylbenzene

CAS REGISTRY NUMBER: 98-82-8

AMBIENT WATER QUALITY VALUE: 5 ug/L

BASIS:

Surface Water: Principal Organic Contaminant Classes (6 NYCRR 702.3(b))

Groundwater: Former Reference to 10 NYCRR Subpart 5-1 Principal Organic Contaminant (POC) General Maximum Contaminant Level (MCL)

SUMMARY OF INFORMATION

A review has not been conducted for isopropylbenzene at this time beyond the determination that it is in a principal organic contaminant class as defined in 6 NYCRR 700.1(a)(34) and that it does not have a more stringent Specific MCL.

DERIVATION OF VALUE:

Surface Water

Regulations [6 NYCRR 702.2(b)] require that the value derived be the most stringent of the values derived using the procedures found in sections 702.3 through 702.7. Although an in-depth review has not been performed, 702.3(b) requires that the value derived for a substance in a principal organic contaminant class be at least as stringent as 5 ug/L. Therefore, the ambient surface water quality value for isopropylbenzene is set at 5 ug/L.

Groundwater

The principal organic contaminant (POC) groundwater standard of 5 ug/L (6 NYCRR 703.5) applies to isopropylbenzene. This standard became effective on January 9, 1989 by inclusion by reference to 10 NYCRR Subpart 5-1 standards. The basis and derivation of the POC standard are described in a separate fact sheet.

REFERENCES:

NYSDEC. 1991. 6 NYCRR, Chapter X, Parts 700-705. Water Quality Regulations for Surface Waters and Groundwaters.

CSS/SS
September, 1993