

AMBIENT SURFACE WATER QUALITY  
STANDARDS DOCUMENTATION

CHEMICAL: Dibromochloromethane

VALUE(S) ADDED

B-08-83

CAS NO.(s): 124-48-1

FACT SHEET REVISED

9-6-85

BASIS (Human/Aquatic): Human

VALUE(S) REMOVED

WATER CLASSIFICATION: AA; AA-s; A; A-s

STANDARD: 50 ug/l

Note E

REMARKS:

SUMMARY INFORMATION:

The toxicity studies related to dibromochloromethane and the other trihalomethanes (THMs) have been extensively reviewed by the National Academy of Sciences<sup>1,2,3</sup>. The Federal Register<sup>4</sup> summarizes health effects information and describes regulations for monitoring and compliance with the maximum contaminant levels established for THMs in public water supplies.

Although many studies have been conducted on chloroform (trichloromethane), toxicity studies specifically on dibromochloromethane are inadequate to calculate a guideline based on chronic toxicity or aesthetic characteristics. The compound has not been adequately tested to determine its oncogenic potential.

STANDARD DERIVATION

Inadequate data base for this chemical precludes the use of any derivation outlined in Section 701.3 through 701.7. Therefore, the general guideline of 50 ug/l is recommended as a standard.

REFERENCES:

- (1) Drinking Water and Health, 1977, Vol. 1, National Academy Press, Washington, D.C.
- (2) Drinking Water and Health, 1980, Vol. 2, National Academy Press, Washington, D.C.
- (3) Drinking Water and Health, 1980, Vol. 3, National Academy Press, Washington, D.C.
- (4) 44 FR 68624 (1979)

JS/pb

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