

VALUE(S) ADDED 8-08-83

FACT SHEET REVISED 9-6-85

VALUE(S) REMOVED _____

AMBIENT SURFACE WATER QUALITY
STANDARDS DOCUMENTATION

CHEMICAL: Trimethylpyridine (collidine)

CAS NO.(s): 108-75-8; 1462-84-6

BASIS (Human/Aquatic): Human

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

STANDARD: 50 ug/l Note E

REMARKS:

SUMMARY INFORMATION:

A search of the scientific literature conducted on trimethylpyridine failed to reveal any studies upon which to calculate a guideline based on chronic toxicity or aesthetic characteristics.¹ The compound has not been adequately tested to determine its oncogenic potential; preliminary screening indicates that it is not mutagenic.^{2,3}

STANDARD DERIVATION:

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

REFERENCES:

- (1) Computer Search of National Library of Medicine (NLM) through 1984.
- (2) Ho, C.-H. *et al.* 1981. Analytical and biological analyses of test materials from the synthetic fuel technologies. IV. Studies of chemical structure-mutagenic activity relationships of aromatic nitrogen compounds relevant to synfuels. *Mutat. Res.* 85: 335-345.
- (3) Florin, I. *et al.* 1980. Screening of tobacco smoke constituents for mutagenicity using the Ames test. *Toxicol.* 18: 219-232.

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