

**1,4-Dioxane
CAS # 123-91-1**

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Carcinogen

Water Supply Std.=
Human Health Std.=

0.35	ug/L
80	ug/L

WS

WQS = (RL x WT) / (q1* x [WI + (FC x BAF)])

VALUES FOR THE EQUATION

where:

RL = risk level	1.00E-06	Source: <i>IRIS 8/10</i>
WT = Weight 70 kg	70 kg	
q1* = carcinogenic potency factor	1.00E-01 mg/kg/day	
WI = average human water intake 2L/day	2 L/day	
FC = Fish consumption rate	0.0175 kg/person-day	
BAF = bioaccumulation rate	5.00E-01 L/kg	

WQS = 0.0003485 mg/l = 0.3485 ug/l

Integrated Risk Information System (IRIS) <http://www.epa.gov/iris/>

IRIS CSF unchanged 9/20/2013. C. Ventaloro

Risk Assessment Information System (RAIS) <http://risk.lsd.ornl.gov/index.shtml>

IRIS CSF unchanged 5/31/2017. C. Ventaloro

IRIS CSF unchanged 6/20/2017. C. Ventaloro

Not WS

WQS = (RL x WT) / (q1* x (FC x BAF))

WQS = 0.0800000 mg/l

80 ug/l