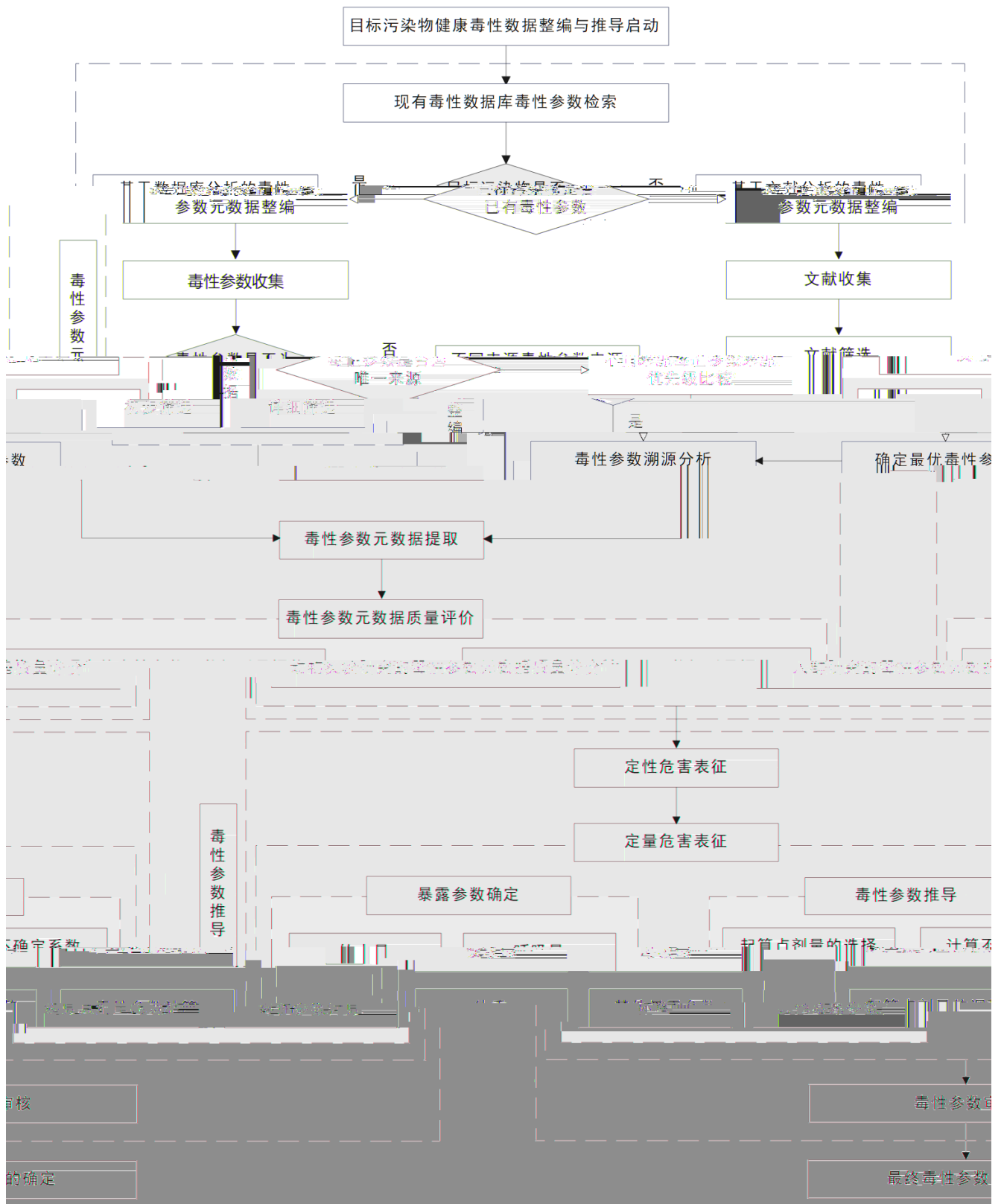

A
B
C
D
E

-



POD
NOAEL
LOAEL

BMDL
NOAEL

NOAEL
BMDL
BMDL
LOAEL

A

B

		Oral Slope Factor	SF _o	[mg/(kg·d)] ⁻¹	1.5	1995	IRIS
		Inhalation Unit Risk	IUR				

Oral slope factor [mg/(kg·d)] ⁻¹			
	EPA	EPA Cancer Classification	A
		Tumor site	
		Tumor type	
		Species	
		Extrapolation method	
		Reference	Tseng, 1977 Tseng et al., 1968
Inhalation Unit Risk (µg/m ³) ⁻¹			
	EPA	EPA Cancer Classification	A
		Tumor site	
		Tumor type	
		Species	
		Extrapolation method	
		Reference	Brown and Chu 1983a,b,c Lee-Feldstein, 1983 Higgins, 1982 Enterline and Marsh, 1982
Oral Chronic Reference Dose [mg/(kg·d)]			
		System(s)	
		Critical effects	
		POD	NOAEL: 0.0008 mg/(kg·d)
		Species	
		Uncertainty Factor	3
		Modifying factor	1
		Confidence Level	
		Reference	Tseng, 1977 Tseng et al., 1968
Inhalation Chronic Reference Concentration mg/m ³			
1		System(s)	/

		Critical effects	
		POD	LOAEL 2.27 µg/L
		Species	
		Uncertainty Factor	30
		Modifying factor	
		Confidence Level	
		Reference	Wasserman et al., 2004 Tsai et al., 2003
Oral Acute Reference Dose [mg/(kg·d)]			
		System(s)	
		Critical effects	
		<i>POD</i>	LOAEL 0.05 mg/(kg·d)
		Species	
		Uncertainty Factor	10
		Modifying factor	
		Confidence Level	
		Reference	Mizuta et al., 1956
Inhalation Acute Reference Concentration mg/m ³			
		System(s)	/
		Critical effects	
		<i>POD</i>	LOAEL 0.26 mg/m ³ As ₂ O ₃ (As 0.197 mg/m ³)
		Species	
		Uncertainty Factor	1000
		Modifying factor	
		Confidence Level	
		Reference	Nagymajtenyi et al., 1985

C

..... (C.1)

POD ——— mg/(kg·d)
——— mg/kg
——— kg/d L/d
——— kg

..... (C.2)

POD ——— mg/m³
——— ppm
——— g/mol
———25°C m³/mol

— - (C.3)

POD_{adj} ——— mg/(kg·d) mg/m³
POD ——— mg/(kg·d) mg/m³
——— h
24 ——— h
D ——— d
7 ——— d

— - (C.4)

POD_{HEC} ——— mg/(kg·d)
POD_{adj} ——— mg/(kg·d)
BW ——— kg
———
———

$$P \quad P \quad \dots\dots\dots (C.5)$$

$$\begin{array}{l} POD_{HEC} \text{ ---} \\ POD_{adj} \text{ ---} \\ P \quad P \text{ ---} \end{array} \quad \begin{array}{l} mg/m^3 \\ mg/m^3 \end{array} \quad \begin{array}{l} P \quad P \\ P \quad P \text{ ---} \end{array} \quad \dots\dots\dots (C.6)$$

$$\begin{array}{l} \text{---} \\ \text{---} \\ \text{---} \\ A \text{ ---} \\ \text{---} \\ \text{---} \\ \text{---} \end{array} \quad \begin{array}{l} \\ \\ \\ L/min \\ \\ \\ \end{array} \quad \begin{array}{l} \\ \\ \\ \\ cm^2 \\ \\ \\ \end{array} \quad \begin{array}{l} P \quad P \\ P \quad P \text{ ---} \end{array} \quad \dots\dots\dots (C.7)$$

$$\begin{array}{l} RDDR_t \text{ ---} \\ \text{---} \\ A \text{ ---} \\ \text{---} \\ \text{---} \\ \text{---} \end{array} \quad \begin{array}{l} kg \\ L/min \\ \\ \\ \end{array} \quad \begin{array}{l} \\ \\ \\ \\ \\ \end{array} \quad \begin{array}{l} P \quad P \\ P \quad P \text{ ---} \end{array} \quad \dots\dots\dots (C.8)$$

$$\begin{array}{l} A \text{ ---} \\ \text{---} \\ P \quad P \text{ ---} \end{array} \quad \begin{array}{l} mg/m^3 \\ mg/m^3 \end{array} \quad \begin{array}{l} P \quad P \\ P \quad P \text{ ---} \end{array} \quad \dots\dots\dots (C.9)$$

$$\begin{array}{l} P \quad P \text{ ---} \\ \text{---} \\ \text{---} \end{array} \quad \begin{array}{l} \\ \\ cm^2 \end{array}$$

A L/min

—
—
—

P P

P P —..... (C.10)

P P —

$H_{b/g}$ — -

—

H —

-

1

-

P P 1

D

UF_H	
UF_A	
UF_S	$NOAEL$
UF_L	$LOAEL$ $LOAEL$ $NOAEL$ POD $LOAEL$ $NOAEL$
UF_D	POD

4

UF

-

UF

D D D D D D (D.1)

UF —
—
—
—
—
—
—

A

E

b)

$$P \frac{RfD}{\text{-----}} \text{-----} \text{ (E.1)}$$

A _____

mg/(kg·d) mg/(kg·d)

$$P \frac{RfC}{\text{-----}} \text{-----} \text{ (E.2)}$$

A _____

mg/m³ mg/m³

DUR —

D —

—

—

kg

L/d

($\mu\text{g/L}$)⁻¹

[$\text{mg}/(\text{kg}\cdot\text{d})$]⁻¹
