

zazoli49@yahoo.com:

// : // :

(Disinfection By-Products) (DBPs)

() :

DOC. SUVA DOC EC ()UV₂₅₄ pH
DOC UV₂₅₄ SUVA. TOC UV₂₅₄

/ / / ± / SUVA / ± /

SUVA :

(DOC)

(DBPs)

(NOMs)

(DBPs)

.(Krasner et al. 1989)

.(Zazouli et al. 2007a)

(USEPA 1999)		Trihalomethanes (THMs)	
		Haloacetic Acids (HAAs)	
(DOC)	(TOC)	USEPA	I
		$\mu\text{g/L}$	
Specific UV Absorbance (SUVA)			$\mu\text{g/L}$
(Crittenden et al. 2005)		$\mu\text{g/L}$	$\mu\text{g/L}$
CO ₂	NOMS		
TOC			DBPS
	NOMS	(THMs)	NOM
	NOM _S	Crittenden)	(HAAs)
		DBPs	(et al. 2005)
DOC	TOC	NOM _S	
TOC			
	(Crittenden et al. 2005)		(Kim and Yu. 2005a)
/ nm			
		(Huang et al. 2004)	
UV			
DOC			
UV	UV ₂₅₄		
UV	L/mg.m	(SUVA)	(Croue et al. 1993; Owen et al. 1995)
DOC	(m ⁻¹)		
SUVA	(mg/L)		
(Hydrophilicity)	(Hydrophobicity)		(Karnik et al. 2005)
		(Zazouli et al. 2007a)	
Edzwald)			
	(and Tobiason 1999)		

(Tampere) (Rusko)

TOC

/ mg/l /

/ / UV₂₅₄ .

(Matilainen et al. 2005)

TOC

/ / UV₂₅₄ / mg/L /

TOC %

(Karnik et al. 2005)

(Korea) (Han)

()

TFE-Lined

HAAs

TOC

(Krasner et al. 1996)

THMs

TFE

SUVA UV₂₅₄

°C

pH ≤

DOC EC pH

DOC.

TOC 5310B

TOC-VCSH (Shimadzu)

Sparge with)

(Zero air

Inorganic (IC)

Carbon

/ ± / SUVA

()

()

(CO₂)

()

CO₂

Total Carbon(TC)

UV

.(P> /)

Lambda 25 UV/Vis

spectrophotometer

DOC 1/m UV₂₅₄ (SUVA)
 mg/L
 .(APHP 2000) (L/mg.m)

/

/ /

(One-way ANOVA)

TOC

DOC

(Crittenden et al. 2005)

TOC

)

TOC

(

TOC

(SUVA) UV

(THMFP)

μgTHMFP/mgC

TOC

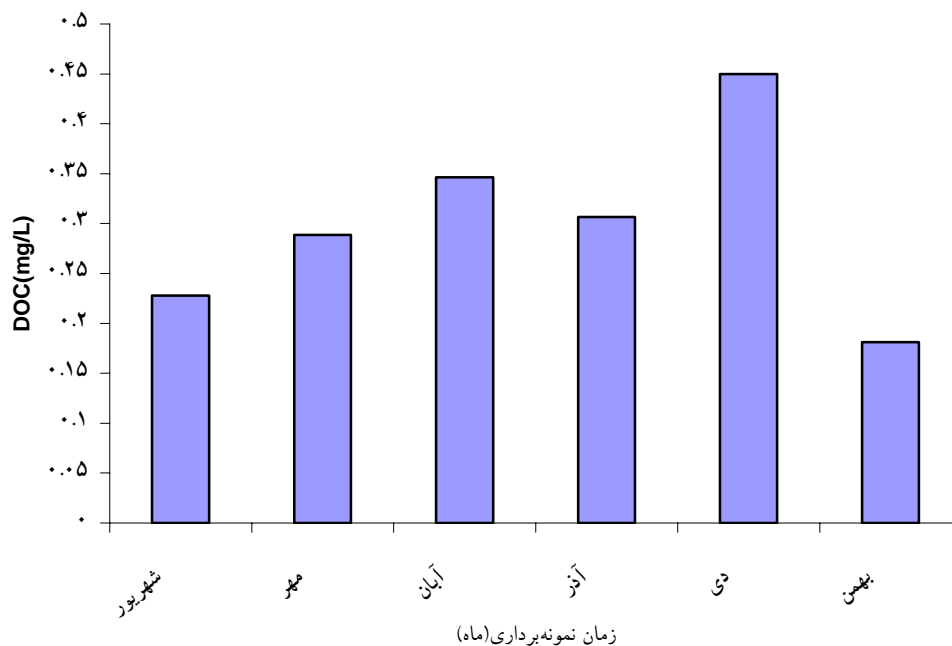
/ /

/ ± /

	$\mu\text{gTHMFP}/\text{mgC}$ (Krasner et al.1996)	TOC (Speitel)
SUVA ₂₅₄	Kim and Yu (2005a)	Kim and Yu (2005b)
HAA ₅	Kim and Yu. 2005a; Kim and Yu. 2005b	(Krasner)
THM ₅		
	$\mu\text{gTHM}/\text{mgDOC}$ (Krasner et al. 1996)	(Croue)
	Croue et al. (1993)	$\mu\text{gTHM}/\text{mgDOC}$
	Kim and Yu (2005a; Panyapiyopol et al. 2005)	HAA ₅ THMS
NOMs	TOC (Zazouli et al. 2007b)	
	\pm (Zazouli et al. 2007b)	
	USEPA	
	$\mu\text{g}/\text{L}$ (THMs)	EPA (HAAs)
	$\mu\text{g}/\text{L}$	$\mu\text{g}/\text{L}$

TOC

USEPA



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