

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

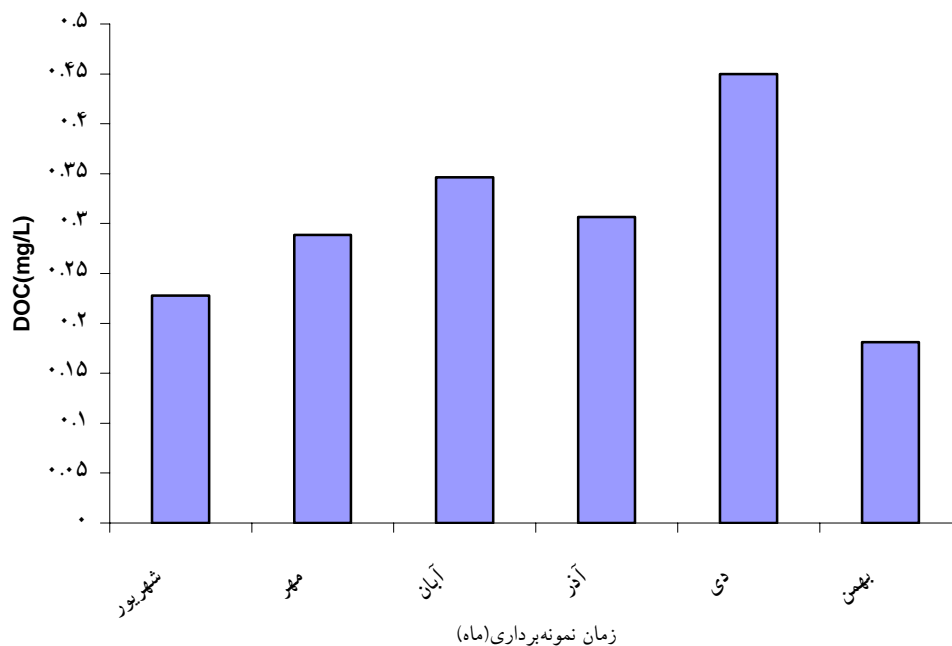
/ /

/ ± /

	$\mu\text{gTHMFP}/\text{mgC}$ (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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