

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				
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

TOC

HAAs

(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

/ /

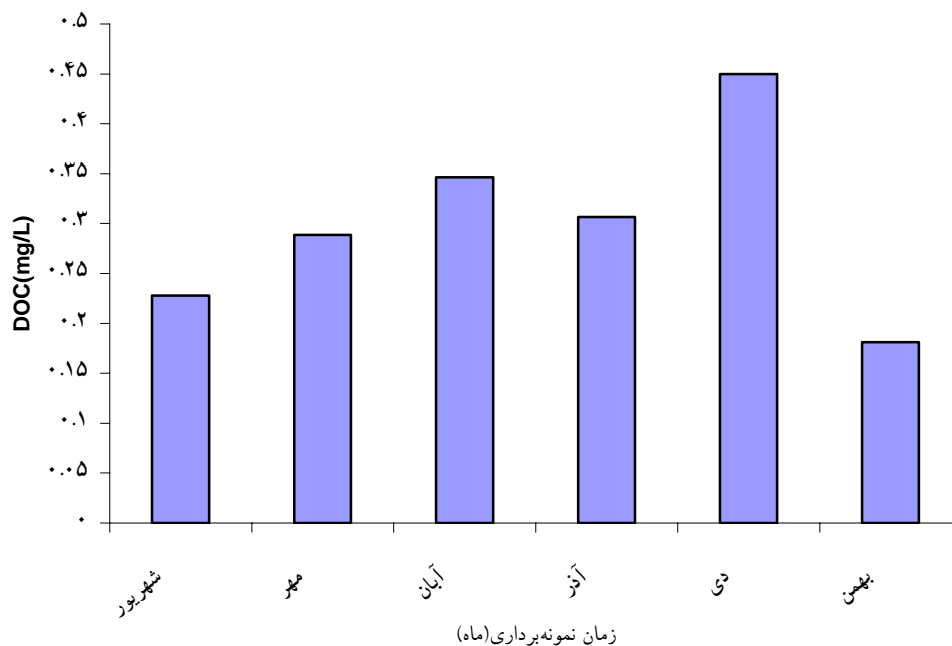
/ ± /

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

TOC

USEPA

<i>SUVA</i> (<i>L/m.m</i>)	DOC (mg/L)	UV ₂₅₄ (cm ⁻¹)	EC (µmho/cm)	pH*	
/	/	/	/	/	
/	/	/	/	/	
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/	/	/	/	/	
/	/	/	/	/	
/ ± /	/ ± /		±	/ ± /	**
					pH *
					± **



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