

zazoli49@yahoo.com:

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(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)

			Trihalomethanes (THMs)	
(USEPA 1999)			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				(Kim and Yu. 2005a)
	(Crittenden et al. 2005)			
/ 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)

/ ± / SUVA

Carbon

()

()

(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
(Crittenden et al. 2005)

DOC
TOC

TOC

TOC

(THMFP)

µgTHMFP/mgC

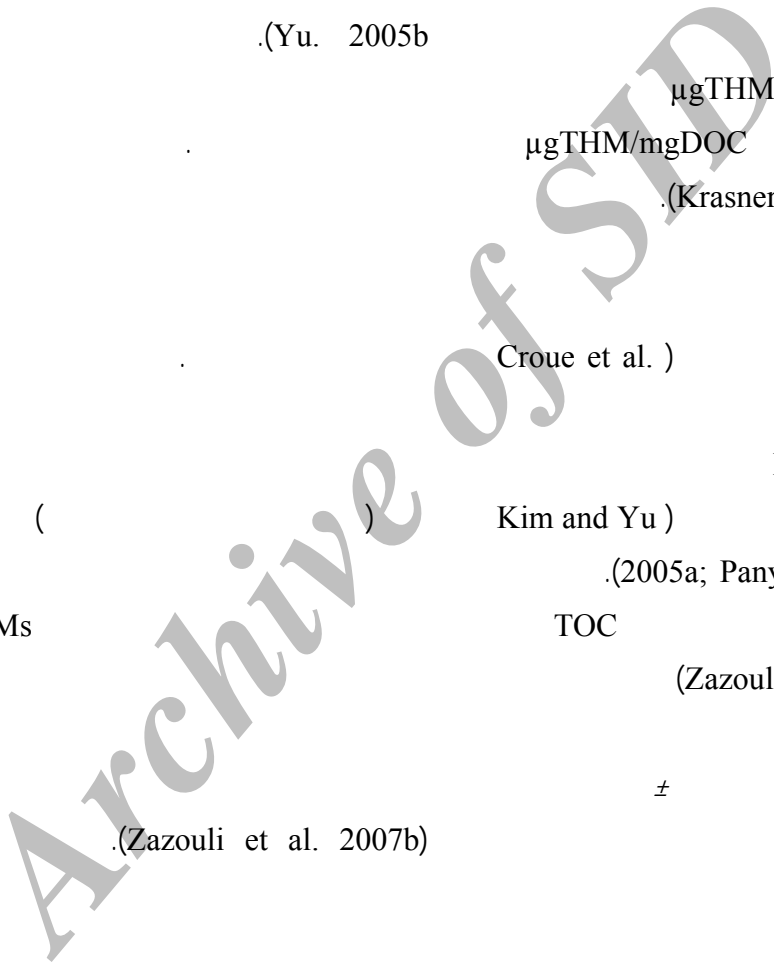
TOC

(SUVA) UV

/ /

/ ± /

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



TOC

USEPA

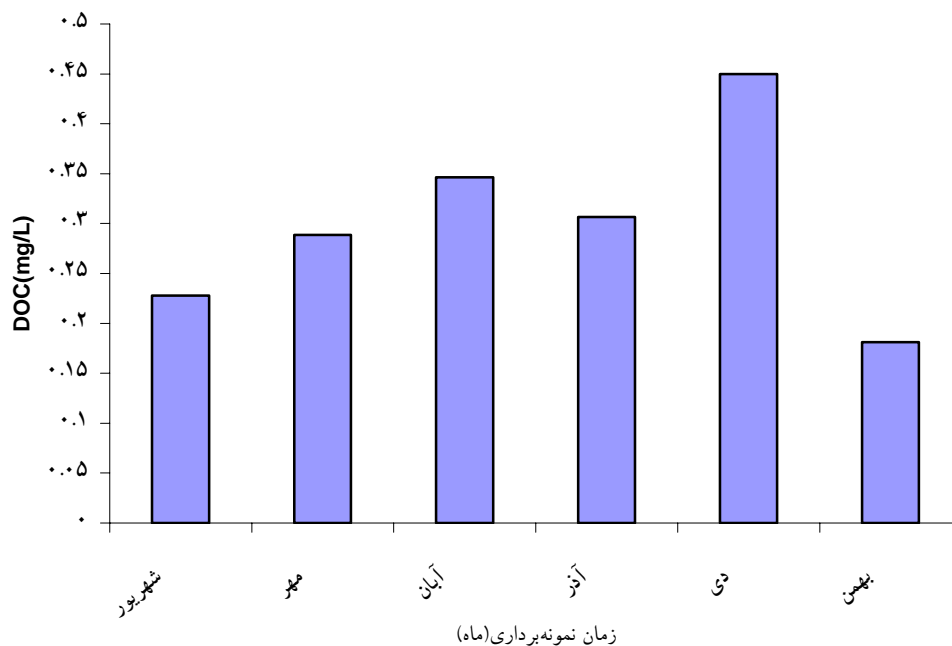
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SUVA (L/m.m)	DOC (mg/L)	UV ₂₅₄ (cm ⁻¹)	EC (µmho/cm)	pH*
/	/	/	/	/
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/ ± /	/ ± /	/	±	/ ± /

pH *

± **



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