

zazoli49@yahoo.com:

// : // :

( Disinfection By-Products) (DBPs)

( ) :

DOC. SUVA DOC EC ( )UV<sub>254</sub> pH

DOC UV<sub>254</sub> SUVA. TOC UV<sub>254</sub>

/ / / ± / 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		
Specific UV Absorbance (SUVA)		$\mu\text{g/L}$			$\mu\text{g/L}$
	(Crittenden et al. 2005)	$\mu\text{g/L}$	$\mu\text{g/L}$		
CO <sub>2</sub>	NOMS				
TOC				DBPS	
	NOMS		(THMs)		NOM
	NOM <sub>S</sub>	Crittenden)		(HAAs)	
		DBPs		(et al. 2005)	
DOC	TOC				
TOC					
	(Crittenden et al. 2005)				(Kim and Yu. 2005a)
/ nm					
UV					(Huang et al. 2004)
DOC					
UV		UV <sub>254</sub>			
UV	L/mg.m	(SUVA)			(Croue et al. 1993; Owen et al. 1995)
DOC	(m <sup>-1</sup> )				
SUVA		(mg/L)			
(Hydrophilicity)	(Hydrophobicity)				(Karnik et al. 2005)
					(Zazouli et al. 2007a)
Edzwald)					
	(and Tobiason 1999)				

(Tampere) (Rusko)

TOC

/ mg/l /

/ /

UV<sub>254</sub> .

(Matilainen et al. 2005)

TOC

/ / UV<sub>254</sub> / mg/L /

TOC %

(Karnik et al. 2005)

(Korea) (Han)

( )

TFE-Lined

TOC

HAAs

(Krasner et al. 1996)

THMs

TFE

SUVA UV<sub>254</sub>

°C

pH ≤

DOC EC pH

DOC.

TOC 5310B

TOC-VCSH (Shimadzu)

Sparge with )

(Zero air

Inorganic (IC)

Carbon

()

/ ± / SUVA

( )

(CO<sub>2</sub>)

()

CO<sub>2</sub>

Total Carbon(TC)

UV

.(P&gt; / )

Lambda 25 UV/Vis

spectrophotometer

DOC 1/m UV<sub>254</sub> (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 <sub>s</sub>	(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 <sub>s</sub> THMS	
(	)	Kim and Yu )	
		(2005a; Panyapiyopol et al. 2005	
NOMs		TOC	
		(Zazouli et al. 2007b)	
		$\pm$	
		(Zazouli et al. 2007b)	
		USEPA	
		(THMs)	EPA
		$\mu /\text{L}$ $\mu\text{g/L}$	(HAA <sub>s</sub> )
		$\mu \text{g/L}$ $\mu\text{g/L}$	

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TOC

USEPA

/...

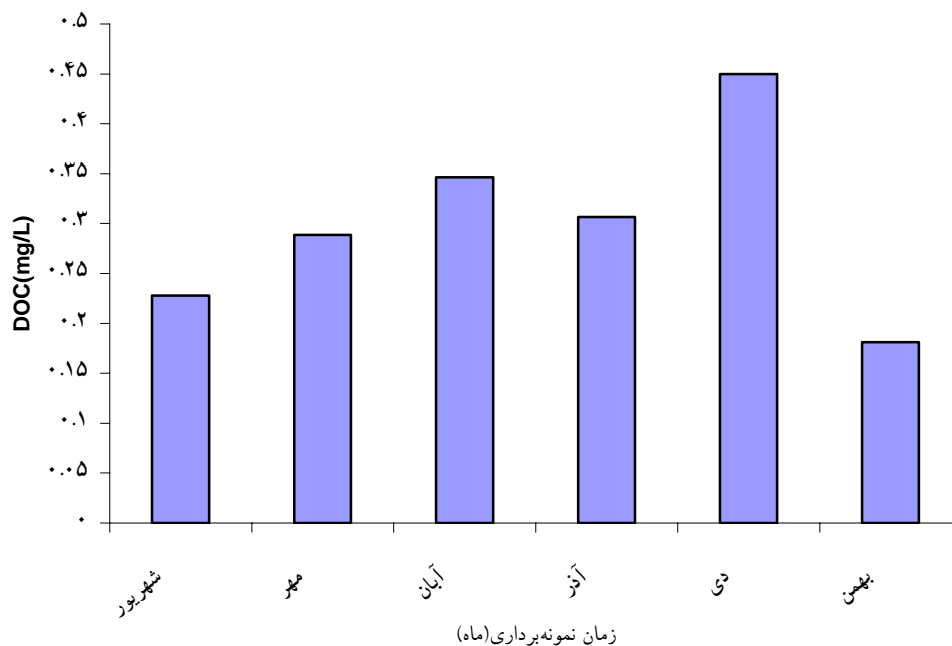
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<i>SUVA</i> ( <i>L/m.m</i> )	DOC (mg/L)	UV <sub>254</sub> (cm <sup>-1</sup> )	EC (μmho/cm)	pH*
/	/	/	/	/
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/	/	/	/	/
/ ± /	/ ± /	/	±	/ ± /

\*\*

pH \*

± \*\*



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