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(Gamlen OD 4000) ( )

BOD

COD BOD

COD BOD

COD BOD

COD

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+

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(Prince,1997 & Ron, et al., 2002 & Mulligan,2005)

(Pekdemir, et al., 2005 & Chu, 2003)

(Riley, 1998; Nikolas, 2004 & Jeffrey, 1995)

(Liu ,et al.,

(Anson, et al.,1984)

.2004 & Al-Sabagh, 2000)

(Nikolaos, et al., 2004)

(Venosa, et al.,2003)

WHO

2004)

(Riley, 1998 & Nikolaos,

(Lederberg, 2000 & Watanabe, 2001)

Bordbar, et Mulkins-Phillips ,1974 )

( )

(al.,2006 &

( )

(Katherine, et al.,2003)

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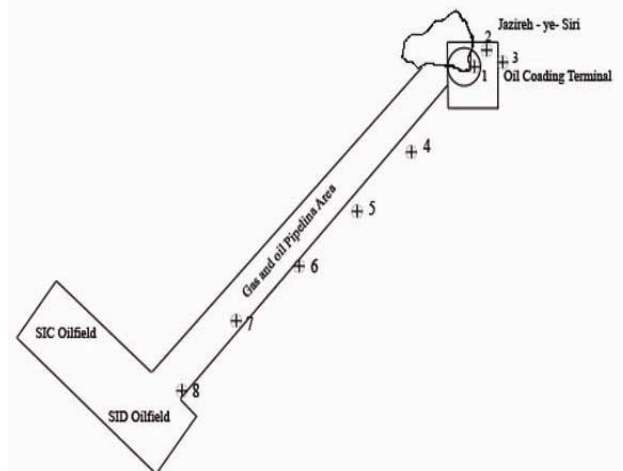
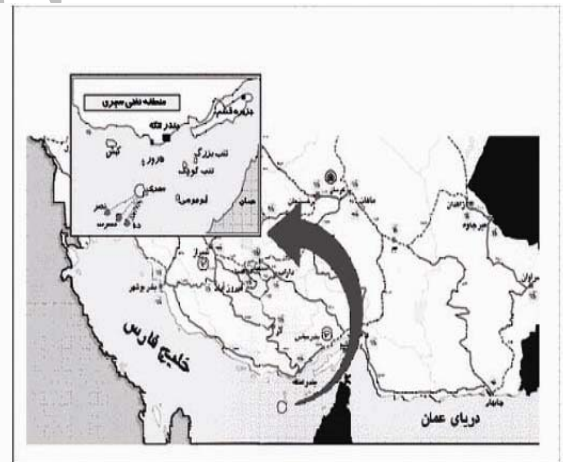
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(Moopam,1989)

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Archive of SID



Pleshakova, et al., 2001 )

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( ) :

(Robert, et al., 1999)

$\frac{1}{20}$

OF

slide culture

( )

**COD BOD**

**COD BOD**

(Nakhla, et al., 2003 & Pitter, 1976)

ml ml

Marine Broth

)

( mg/l): KH<sub>2</sub>PO<sub>4</sub> (170), K<sub>2</sub>HPO<sub>4</sub> (435), Na<sub>2</sub>HPO<sub>4</sub>.

cc

7H<sub>2</sub>O (668), NH<sub>4</sub>Cl (850), MgSO<sub>4</sub>. 7H<sub>2</sub>O (22.5),

c

(

CaCl<sub>2</sub>. 2H<sub>2</sub>O (27.5), and FeCl<sub>3</sub> (0.25)

ml

ml

ml

+

ml

ml

**COD BOD**

ml

+

ml

ml

+

ml

ml

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ml

ml

ml

ml

ml

ml

ml

m

**COD**

**BOD**

et al 2005)

(Lenore,

(mukherji, et al., 2004)

Tukey Anova

PSS 15

( )

( )

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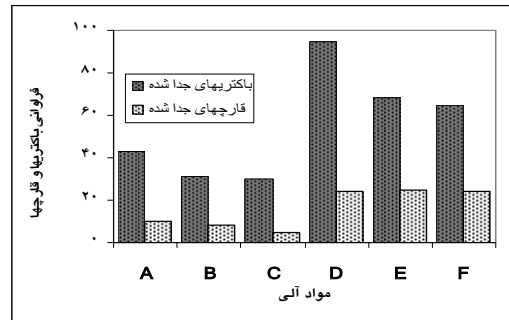
Hoc Tukey

: ( )

Post

روش تعیین

( )	( )		
۱۰	۴۳	A	
۸	۳۱	B	
۵	۳۰	C	
۲۴	۹۵	D	+
۲۵	۶۸	E	+
۲۴	۶۵	F	+



+  $P \leq 0.046$   
 $P \leq 0.005$

: ( )

Well method

$P \leq 0.755$

( )

( )

Post Anova

( )

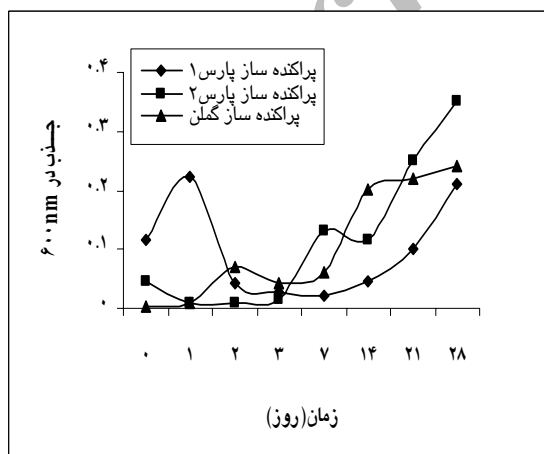
Hoc Tukey

$P \leq 0.000$

F ( )

)

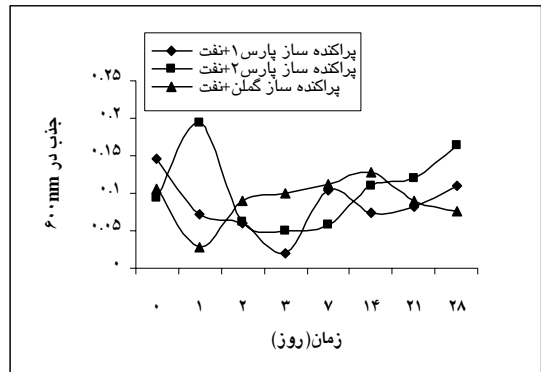
(



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	F			
		/	/	هیچ
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		/	/	+
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( ) :

COD BOD

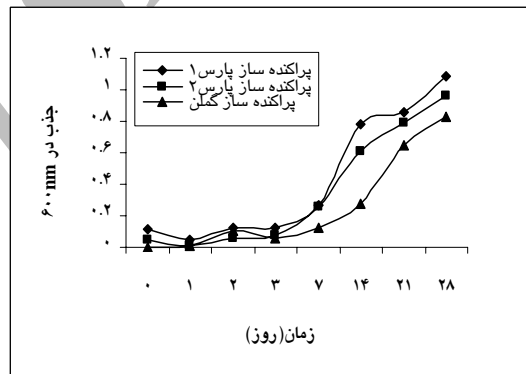
COD BOD

( )

(mg/ml) COD BOD5 : ( )

COD (mg/ml)	BOD <sub>5</sub> (mg/ml)	
		+
		+
		+

COD BOD



( ) :

COD BOD

+

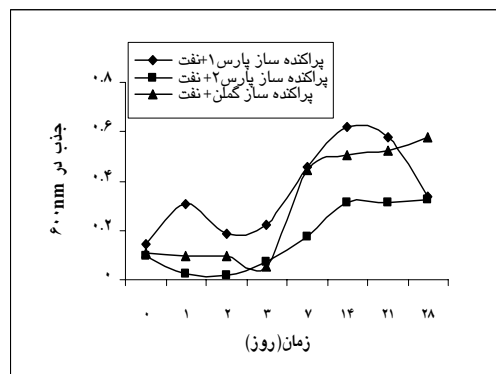
BOD

COD BOD

+

COD

+



( ) :

( )

تعییه

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(Pleshakova , et al, 2001)

(mukherji ,et al,2004)

Rodrigo (Delille , 2000)

( )

(Rodrigo, et al., 2005)

PAHs

1998 )

Natalia (Awata, et al,

(Natalia, et al, 1999)

COD BOD

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BOD

COD

BOD  
BOD .

COD BOD

BOD

BOD

(Lenore, et al, 2005)

COD

(Lenore, et al, 2005)

(Nakhla, et al, 2003)

COD BOD

Pitter

(Pitter, 1976)

COD

COD BOD

et al, )

COD BOD

(Venosa, 2003

1-Well Method

2-Culture Enrichment



## PAHs

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