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(Gamlen OD 4000) ()

BOD

COD BOD

COD BOD

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COD BOD

+

COD

(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)

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(al.,2006 &

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(Katherine, et al.,2003)

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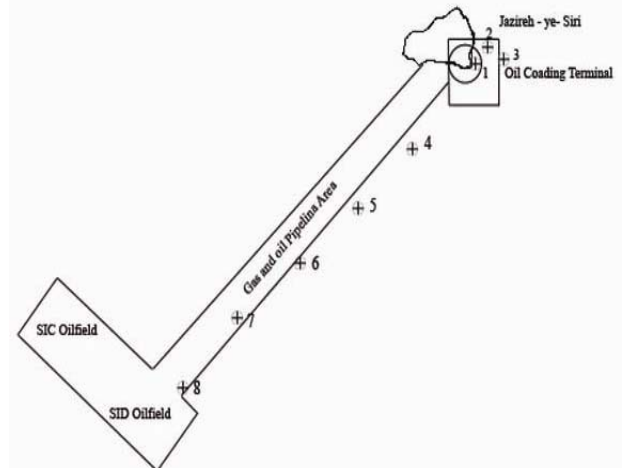
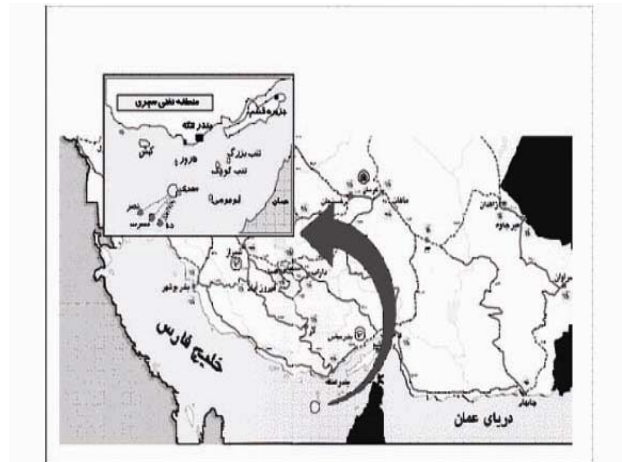
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) (Moopam,1989)

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Pleshakova, et al., 2001)

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(Robert, et al., 1999)

$\frac{1}{20}$

OF

slide culture

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COD BOD

COD BOD

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

ml ml

Marine Broth

)

(mg/l): KH₂PO₄ (170), K₂HPO₄ (435), Na₂HPO₄.

cc

7H₂O (668), NH₄Cl (850), MgSO₄. 7H₂O (22.5),

c

(

CaCl₂. 2H₂O (27.5), and FeCl₃ (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

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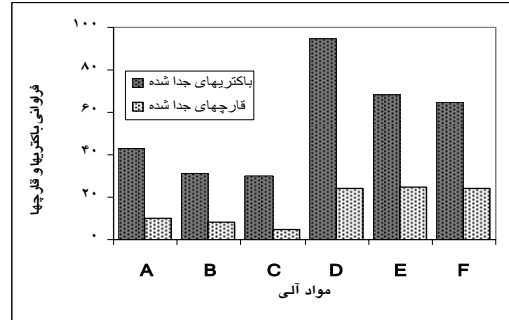
Post

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

+
 $P \leq 0.005$

$P \leq 0.046$

روش تعیین



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Well method

$P \leq 0.755$

()

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Post Anova

()

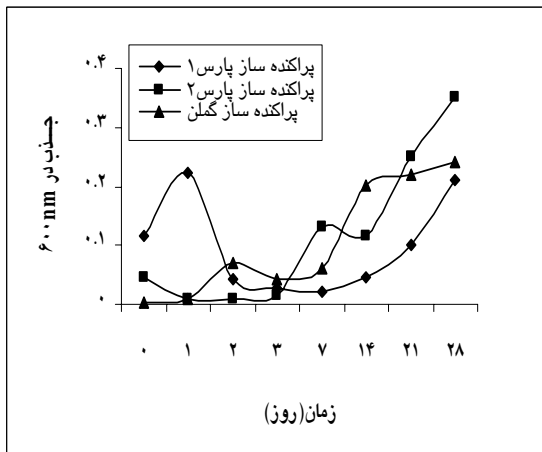
Hoc Tukey

$P \leq 0.000$

F ()

)

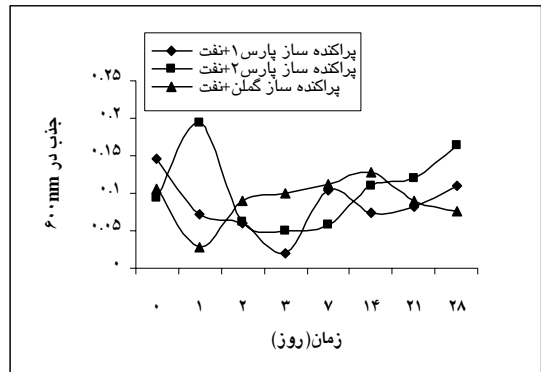
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COD BOD

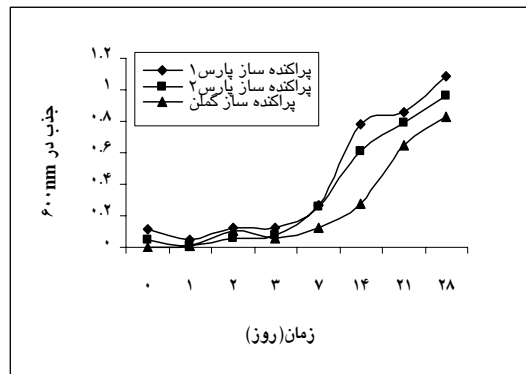
COD BOD

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() : (mg/ml) COD BOD5

COD (mg/ml)	BOD ₅ (mg/ml)	
		+
		+
		+

COD BOD



() :

COD BOD

+

+

+

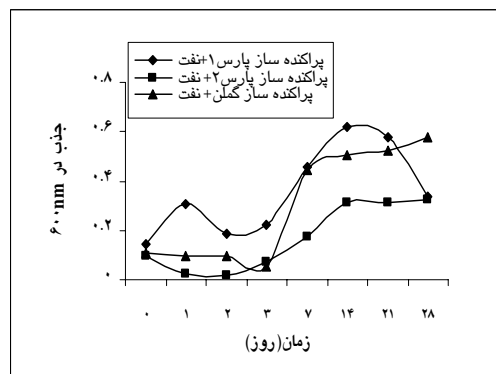
+

BOD

COD BOD

+

COD



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(Pleshakova , et al, 2001)

(mukherji ,et al,2004)

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Rodrigo (Delille , 2000)

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(Rodrigo, et al., 2005)

PAHs

1998)

Natalia (Awata, et al,

(Natalia, et al, 1999)

COD BOD

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

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PAHs

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