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Ca-Na-HCO<sub>3</sub>-Cl

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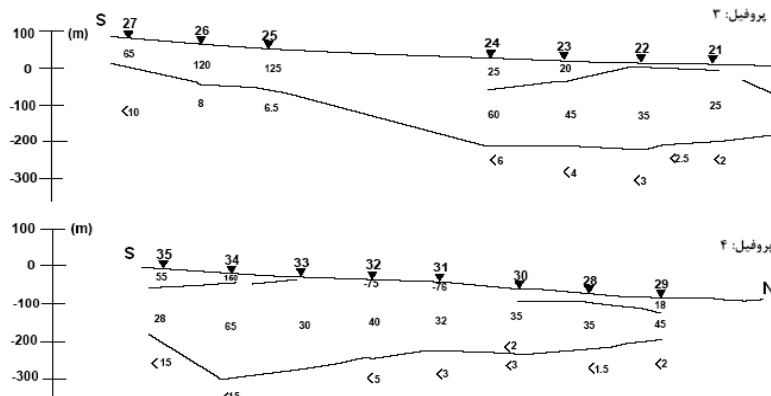
( )

(2001)

Canales.

( )

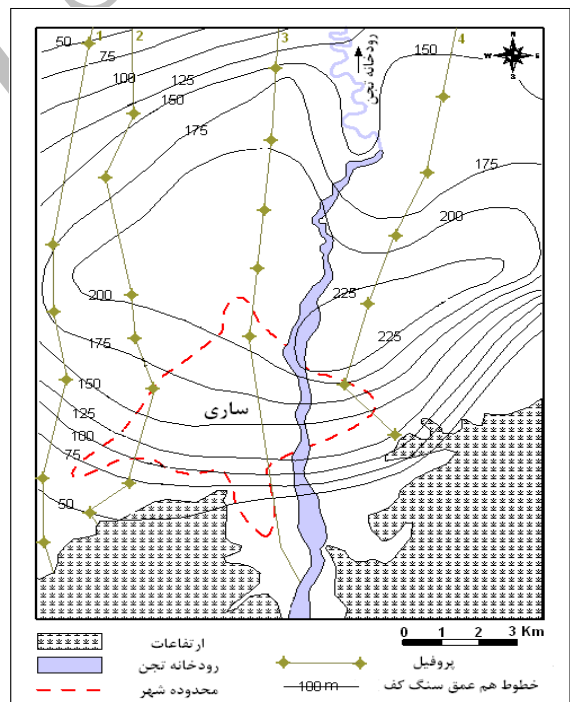




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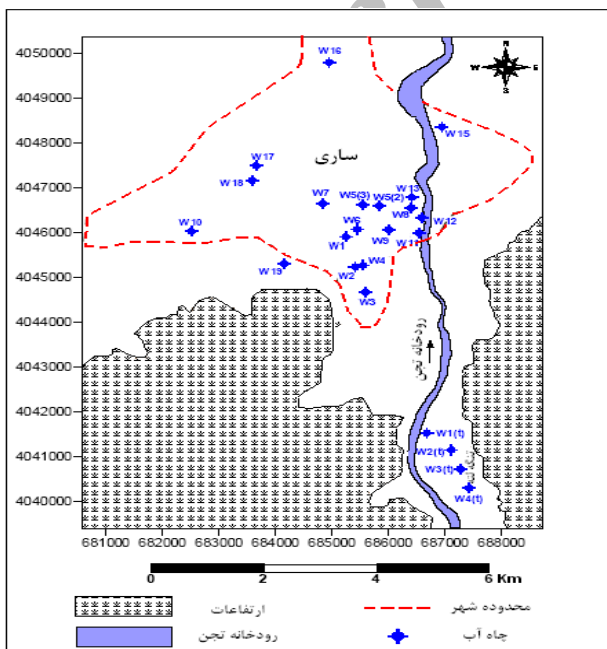
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) ( )

(TDS)

( )

( )

δ

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(

...

TDS

)

: ( )

( $\mu\text{mohs} / \text{cm}$ )

EC

Na	Mg	Ca	Cl	SO4	HCO3	EC	TDS	
								( ) ( )
							/	(t) (t)

:

(EC)

(TDS)

( )

( )

( )

)

(

( )

$\bar{y}$   $\bar{x}$   $y$   $x$

$s_2$   $s_1$   $n$

/ / / /

$$r = \frac{\sum(x - \bar{x})(y - \bar{y})}{(n-1)s_1s_2} \quad ( )$$

TDS ) : ( )

( $\mu\text{mohs/cm}$  EC

Na	Mg	Ca	Cl	SO4	HCO3	EC	TDS	
								( ) ( )
								(t) (t)

)

( 5

Minitab r-mode cluster analysis

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(Guler,2002)

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( ) ( )  
 ( ) : ( )

	EC	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	Ca	Mg
HCO <sub>3</sub>	/					
SO <sub>4</sub>	/	/				
Cl	/	/	/			
Ca	/	/	/	/		
Mg	/	/	/	/	/	
Na	/	/	/	/	/	/

( ) : ( )

	EC	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	Ca	Mg
HCO <sub>3</sub>	/					
SO <sub>4</sub>	/	/				
Cl	/	/	/			
Ca	/	/	/	/		
Mg	/	/	/	/	/	
Na	/	/	/	/	/	/

HCO<sub>3</sub>-Cl

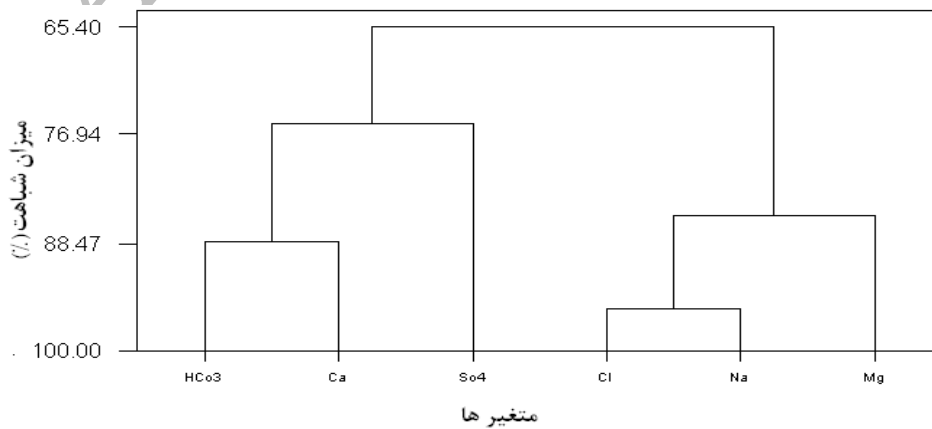
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% %

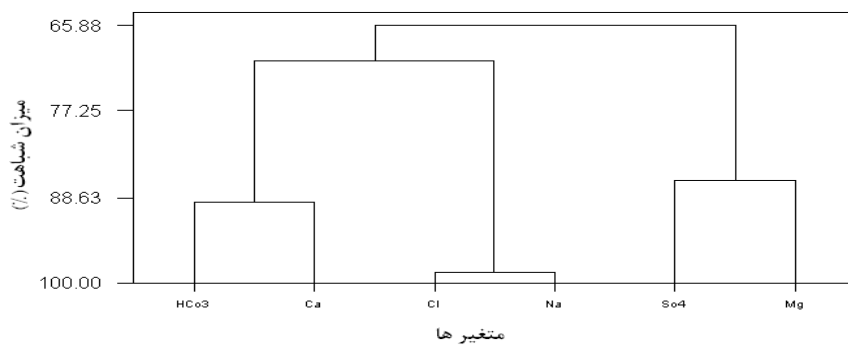
( 6 )

Ca-Na-



( )

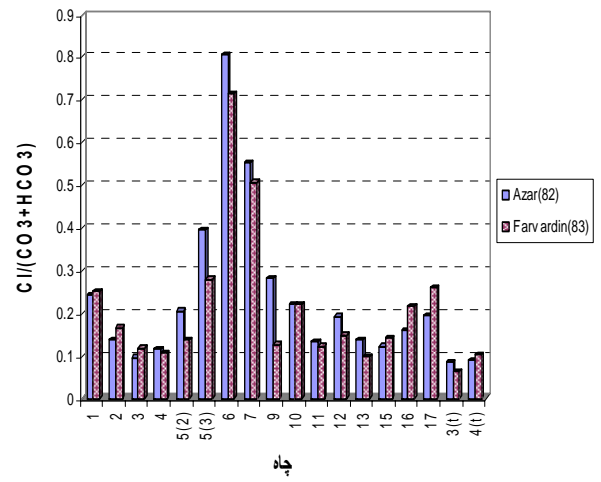
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( ) : ( )  
 $\frac{Cl^-}{HCO_3^- CO_3^-}$  ( )

( ) ( ) ( )  
 ( ) : ( )

( )	( )	
/	/	( )
/	/	( )
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/	/	(t)
/	/	(t)
/	/	



Archive

TDI-

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( ) TDI-Cl Na

)

.( Mazor,1991)

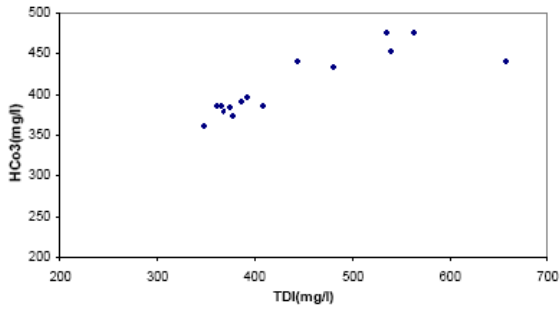
(

.(Mazor,1991)

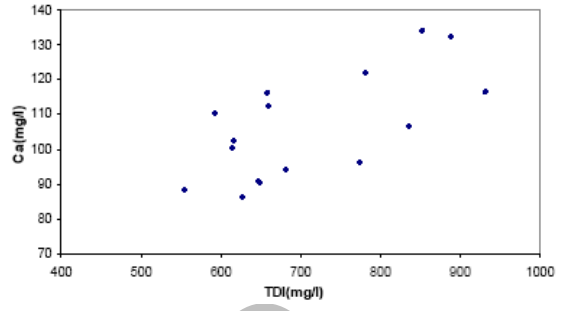
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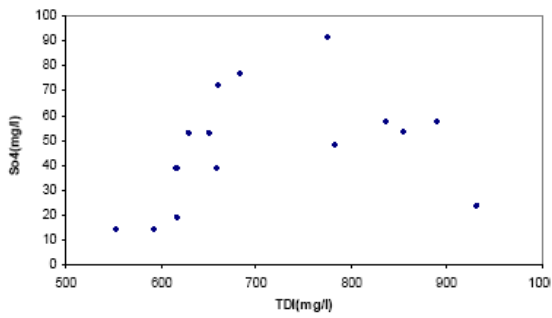




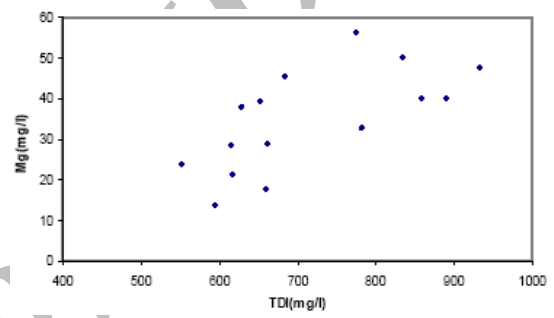
TDI  $\text{HCO}_3^-$  : ( )



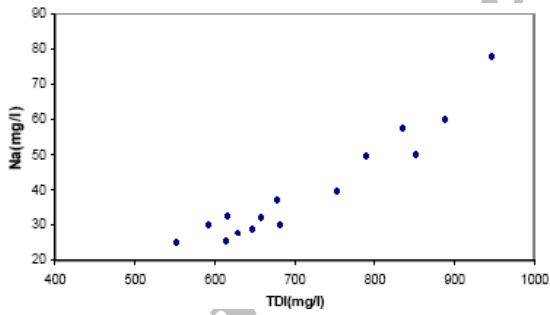
TDI Ca : ( )



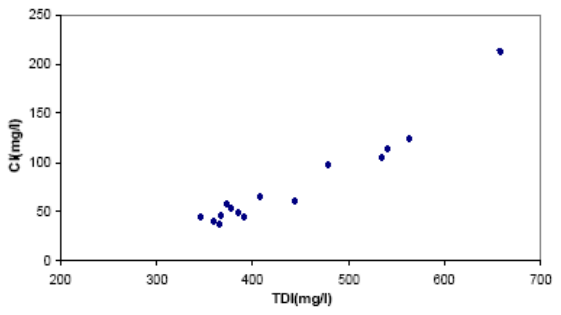
TDI  $\text{SO}_4$  : ( )<sup>δ</sup>



TDI Mg : ( )<sup>δ</sup>



TDI Cl : ( )<sup>δ</sup>



TDI Na : ( )<sup>δ</sup>

Ca-Na- $\text{HCO}_3$ -Cl

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- 1- Saturated-Unsaturated Transport
  - 2-Revelle
  - 3-Composite plots
  - 4-Average linkage ( )
  - 5-Scatter Plots

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