

SavariJa2004@yahoo.com :

pH (/ NTU) (°C)
 (mg/l) (mg/l) (/ mg/l) DO (mg/l) TDS (μs/cm) EC (/) pH_s (/)
 μg/l (/ μg/l) (/) (mg/l) (mg/l)
 (/ mg/l) (/ mg/l) (/ mg/l) (/ mg/l) (/)
 / SPSS

TDS EC

%

)

/

/

/

()

(%)

)

(Bioflim)

(Oconnor 2001)

%

)

(

pH ()

(Stabilize)

mg/l

(Quebec Canada)

(Loewenthal et al. 2004)

Untied State

Environmental protection Agency (USEPA)

Safe

Drinking Water Act (SDWA)

Rodriguez and Housseini)

(Kansas) (2003)

Primary Standard

Maximum Contaminant

Level (MCL)

National Interim primary Drinking (Corrosion)

(Seth et al.2004)

Water Regulation (NIPDER)

(Secondary Standard)

(RSI)

Ryznar Stability Index (RSI)

(Singly and Lee 1998)

Electrical Conductivity

Total Dissolved Solids (EC)

(Dietrich et al.2004)

Dissolved Oxygen (TDS)

American Water Works

(DO)

Association (AWWA)

pH_s pH

(AWWA 2003)

University of)

(Sheffield

DO , pH ,TDS , EC

pH (Aqualytic) TDS, EC (Testo)

Red)

DO (WTW 330/SET)

(water

(WTW 340/SET OXI)

APHA, AWWA, WEF)

pH_s pH .(1998

(RSI)

$$RSI = 2pH_s - pH$$
$$pH = pH$$

pH = pH_s

SPSS

).

.(HDR Engineering Inc 2001

() ()

/ ()

pH

EPA 2004, 2005,

.(2002

(°C)

(/ Nephelometric Turbidity Unit (NTU)

Micorsiemens per) EC (/) pH_s (/) pH

(mg/l) TDS (centimeters (μs/cm)

mg/l) (mg/l) (/ mg/l) DO

(mg/l) (mg/l) (

(/ μg/l) (/)

(/ mg/l) (/ mg/l) (/ μg/l)

(/ mg/l) (/ mg/l)

(% / % / % /)

(Atomic absorption)

Analytic Jenna AAS vario 6

(mg/l) (μg/l)

EPA 2004, 2006, 2005,) (/ mg/l)
() .(2002

TDS () ()
) One -Way)
% (ANOVA

mg/l

.()

pH

pH .

CO₂

pH . OH⁻ H⁺
pH = Log [H⁺]
pH . °C

pH

pH_s .

(EC).

pH

(μs/cm)

). () Mmho/cm

.(

.()

EC

EC TDS

TDS

()

Larson – skold Index (Larson Ratio)

TDS

Mmho/cm

°C

...

()

%

t-test

Sulfate Reducing Bacteria (SRB)

USEPA

(/ mg/l) (μg/l) (μg/l))

(/ mg/l) (/ mg/l)) (

EPA 2004, 2006, 2005,) (P = /) .(

(2002 USEPA.

EPA 2004,)

(P= /) .(2005, 2002

()

)

.(

%

USEPA

t-test

.(P= /)

%

%

(% /) (% /) (% /)

pH

()

(EPA 2004, 2006, 2005, 2002)

()

EC

TDS

pH _s	pH	(mg/l)	(mg/l)	EC (μs/cm)	(NTU)	(mg/l)	ALK (mg/l)	Ca ⁺⁺ (mg/l)	TDS (mg/l)	(°C)
/	/				/	/				
/	/				/	/				
/	/				/	/				
/	/	/	/	/	/	/	/	/	/	/
/	/				/	/				
/	/				/	/				
	*									
/ /	/ /				/					
									/	/ *

/...

(RSI)

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/

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/

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/

()

(mg/l) (mg/l) (mg/l) (mg/l) (µg/l) (µg/l)

/ / / / / /

/ / / / / /

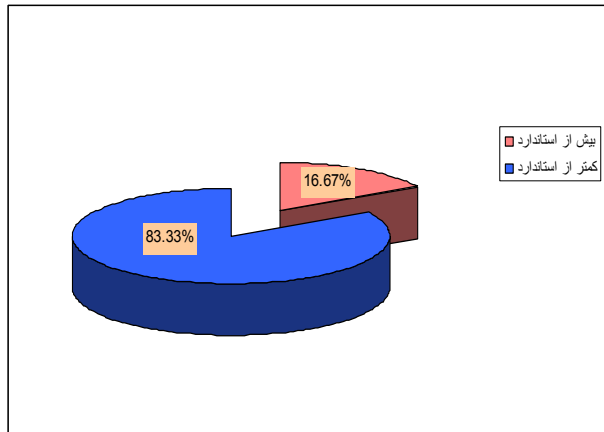
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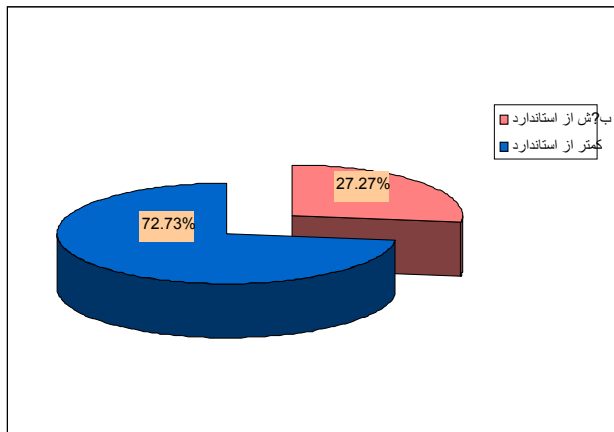
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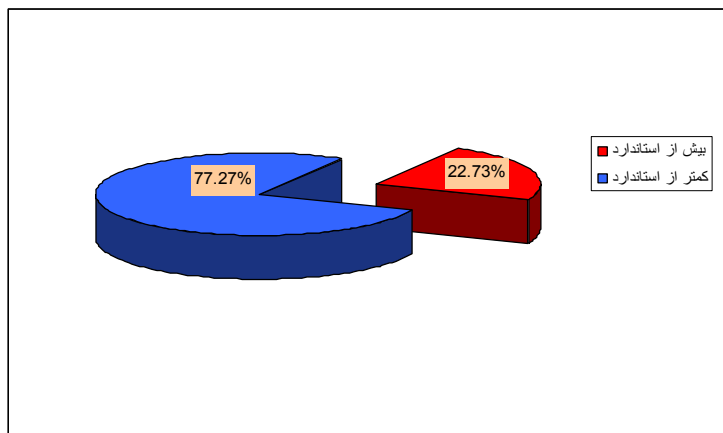
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(USEPA)

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