

r.nabizadeh@tums.ac.ir :

(NTU)

% / / /

% / % /

/

% / % / % /

% /

(%)

Microsoft Excel SPSS

% / :

% /

% /

:

% /

:

% / % /

"

"

.() %

)

/

.(a

(/)

)

% /

WHO/ UNICEF/ WSSCC)

.(

.(2000

/

%

WHO 2000; Cortruvo)

et al. 1999; ADB/UNDP/UNESCAP/WHO
.(2006

Asian

Development Bank (ADB)

United Nations Development

Programme (UNDP)

United Nations

Economic and Social Commission for Asia
and the Pacific(UNSCAP)

,World Health Organization (WHO)

.(

)

%

%

-

.()

% /

%

)

% /

.(

(WHO 2006) ()

/

/

)

(

l...

pH

/
(WHO 1996)

(On line)

(Ainsworth 2004)

(WHO 2006)

/ /

(WHO 1997)

Oxidation-

-

Reduction Potential (ORP)

ORP

ORP

(WHO 2006)

(b)

()

NTU

(% /)

APHA/AWWA/WPCF)

SPSS

(2005

Microsoft Excel

(Cross Sectional)

/

//

()

//

%

() %

% (d)

α= %

:()

$$N = Z^2_{1-\alpha/2} \times P(1-P) / d^2 \quad ()$$

$$= (/) \times / \times / \div (/) =$$

/

(NTU)

)

(

() % / / /

%

/

/

% ()

/

(MPN/100 mL) /

(MPN/100 mL)

()

/

pH

/...

. NTU / %
% / / NTU /
pH %
/ /
(% /) /
% / % / % /
/ /
pH
% /
pH
pH
% / % / % / / pH= / /
)
(
(% /)
()
% / / /
(% /)
()
(%) / /
(%) / /
// (WHO 1996)
() % / /

) % /
% % ()
% / ()
(%)
()
NTU
:
% / % /
(% /) ()
/
% /
% /
/
% /
% /
/ / /
()

/...

*

/

/

/

/

/

/

/

/

/

/

/

/

/

/ - - - -

(%)

.*

		\leq NTU	\leq NTU	/	/	/
--	--	------------	------------	---	---	---

*

/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/

*

(**WHO**)

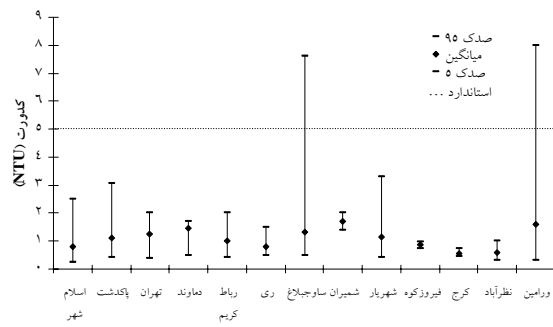
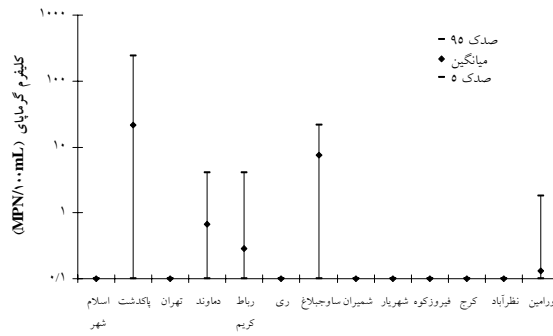
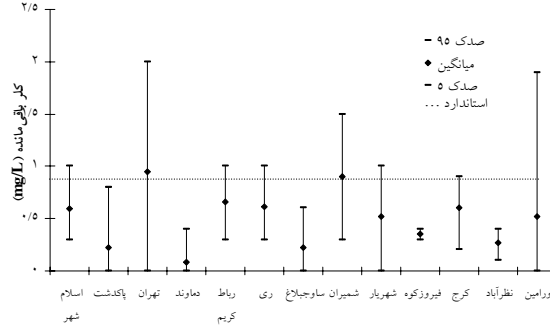
(%)

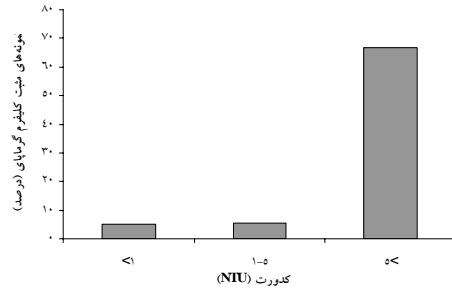
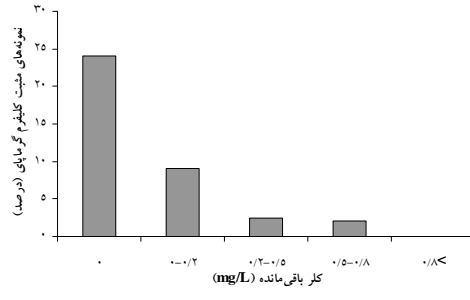
()

>

<

:





a

- Development Goals?. ADB. *Philippines*. pp 9-22
- Cortruvo, J.A., Graun, G. F. and Hearne N., 1999. Providing safe drinking water in small systems. *NSF-WHO*.
- World Health Organization., 1996. Guidelines for drinking-water quality. 2nd ed., vol. 2. Health criteria and other supporting information. *WHO, Geneva*.
- World Health Organization., 1997. Guidelines for drinking-water quality. 2nd ed., vol. 3. *WHO, Geneva*.
- World Health Organization., 2000. the world health report: Making a difference, *WHO, Geneva*.
- World Health Organization., 2006. Guidelines for drinking water quality Vol. 1. Recommendations. WHO. Geneva. 1st addendum to 3rd Ed.
- World Health Organization, United Nations Children's Fund, Water Supply and Sanitation Collaborative Council., 2000. Global Water Supply and Sanitation Assessment 2000 Report, *WHO- UNICEF, Geneva*.
- Ainsworth, R., 2004. Safe Piped Water- Managing Microbial Water Quality in Piped Distribution Systems. 1Th published, *IWA, UK*.
- American Public Health Association, American Water Works Association, Water Pollution Control Federation., 2005. Standard methods for the examination of water and wastewater, 21st Ed., *APHA-AWWA-WPCF Washington DC. USA*.
- Asian Development Bank, United Nations Development Programme, United Nations Economic and Social Commission for Asia and the Pacific and World Health Organization., 2006. Asia water watch 2015: Are Countries in Asia on Track to Meet Target 10 of the Millennium