Technical specifications and test procedures for water quality on-line

automatic monitoring equipment of chemical oxygen demand   COD$_{Cr}$

%o∖°V)(S

%o∨)(S

n S LOQ

$$S = \sqrt{\frac{}{n}\sum_{i=}^{n}\left(x_i - \overline{x}\right)}$$

$$LOQ = \quad \times S$$

S n

n

x_i i PJ

$\overline{x}$

LOQ

n n n n

S

$$S = \frac{\sqrt{\frac{}{n-}\sum_{=}^{n}\left(x - \overline{x}\right)}}{\overline{\overline{x}}} \times$$

R *R*   *RD*

$$RD \quad \frac{\sum_{i}^{n} \left| R \quad R \right|}{nR}$$

RD

  R   *i*

  R

  R

  n

T

$$T \quad x \quad \frac{x \quad x \quad x \quad x \quad x \quad x}{}$$

  T

  x   *i*

                                                 V

              V   *V*   *V*

$$V \quad \frac{V \quad V}{V}$$

  V

  V

  V

D

D D

$$D \quad \frac{D \quad D}{D}$$

ΔD

D

D

C

$C \qquad C \qquad\qquad T$

$$\Delta T = \frac{C - C}{C} \times \quad \%$$

ΔT

$C \qquad t$

C

$n \quad n \qquad\qquad\qquad X$

$n' \quad n' \qquad\qquad n' \qquad\qquad\qquad \overline{B}$

$\overline{A}$

$$\overline{A} = \frac{\displaystyle\sum_{i=}^{n} \left| X_i - \overline{B} \right|}{n\overline{B}} \times$$

$\overline{a}$

$$\overline{a} = \frac{\displaystyle\sum_{i=}^{n} \left| X_i - \overline{B} \right|}{n}$$

$\overline{A}$

$\overline{a}$

X i

$\overline{B}$

n

i i

$$D = \frac{D_e}{D_t} \times$$

D

D_e

D_t

C i

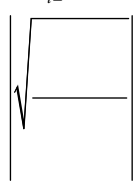j j S

S

S S

$$S = \frac{\sqrt{\frac{}{n-}\sum_{i=}^{n}\left(C_{ij} - \frac{}{n}\sum_{i=}^{n}C_{ij}\right)}}{\frac{}{n}\sum_{i=}^{n}C_{ij}} \times$$

$$\sqrt{\frac{\qquad}{\qquad}}$$

n   *n*

m

$C_{i,j}$ *i*   *j*   *i,j*   *i*   *n*   *j*   *m*

S   *j*

S

          n   *n*

          n   *n* S_r

          R   *R*

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