



Proficiency Testing Program

Organised by

Center for Laboratory Proficiency Testing

Department of Science Service,

Ministry of Science and Technology, Bangkok, Thailand

Chemical Oxygen Demand (COD) in waste water (pilot study)

PTEN - WW02 - 1801

26 July 2018

SUMMARY SHEET

Laboratory Name : Technical Training and Support Service, Center for Scientific and Technological Equipment, Walailak University

Laboratory Code : WW02 - 1801 - 141

Sample	Number of results	Assigned value (x_{pt}) (mg/L)	Standard deviation for proficiency assessment (σ_{pt}) (mg/L)	Lab's result (mg/L)		z-score
				Value	MU	
A	288	202.4	16.2	199	-	-0.21
B	288	192.4	19.2	199	-	0.34

Note

1. Assigned values (x_{pt}) are the robust averages of the participant results in this round, calculated by using Algorithm A (ISO 13528:2015).
2. Standard deviations for proficiency assessment (σ_{pt}) are the target standard deviations from expert judgement.
3. Each z-score marked with "A" is an outlier ($|z| \geq 3.0$). Therefore, laboratory which is marked with "A" shall investigate the result. Laboratory is also encouraged to review the result which has an absolute z-score value between two and three ($2.0 < |z| < 3.0$) marked with "W".
4. This summary sheet shall be read in conjunction with the final report.

Reported by

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Approved by

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