

**Proficiency Testing Program**

Organised by

Center for Laboratory Proficiency Testing

Department of Science Service,

Ministry of Science and Technology, Bangkok, Thailand

Total suspended solids (TSS) in water

PTEN - W04 - 1401

22 May 2014

SUMMARY SHEET

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

Laboratory Code : W04 - 1401 - 184

	No. of results	Robust average (x^*)	Standard deviation for proficiency assessment ($\hat{\sigma}_p$)	Lab's result (mg/L)		z-score
				value	MU	
Sample A	252	123.0	9.6	108	-	-1.56
Sample B	253	619.4	21.7	588	-	-1.45

Note

1. Robust average (x^*) is the assigned value of the results reported by the participants in this round, calculated by using Algorithm A (ISO 13528 : 2005).
2. Standard deviation for proficiency assessment ($\hat{\sigma}_p$) is the target standard deviation by perception from ISO 11923 - 1997 : Water quality - Determination of suspended solids filtration through glass-fibre filters.
3. Each z - score marked with "A" is an outlier ($|z| \geq 3$) therefore, laboratory which is marked with "A" shall investigate result. Laboratory is also encouraged to review result which has an absolute z - score value between two and three (i.e. $2 < |z| < 3$) or marked with "W".
4. This summary sheet should be read in conjunction with the final report.

Reported by

W- Aupaiboon

(Mrs. Wannee Aupaiboon)
Program Coordinator

Approved by

Rachada Hemapattawee

(Mrs. Rachada Hemapattawee)
Director of Center for Laboratory Proficiency Testing
Department of Science Service