

Proficiency Testing Program  
Organised by  
Center for Laboratory Proficiency Testing  
Department of Science Service, Ministry of Science and Technology,  
Bangkok, Thailand

Total Dissolved Solids (TDS) in water

PTEN - W07 - 1401

28 July 2014

SUMMARY SHEET

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

Laboratory Code : W07 - 1401 - 016

	No. of results	Lab's result (mg/L)		Robust average ( $x^*$ )	Standard deviation for proficiency assessment ( $\hat{\sigma}_p$ )	z-score
		value	MU			
Sample A	259	391	-	399.1	17.8	-0.46
Sample B	258	642	-	642.6	18.8	-0.03

**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 robust standard deviation of the results reported by the participants in this round, calculated by using Algorithm A (ISO 13528:2005).
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

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