

**JABATAN KIMIA MALAYSIA
PROFICIENCY TESTING PROGRAMME**

ENVITEST 4-19

Year 2019

**Total Solids, Total Suspended Solids and Total Dissolved Solids in
Industrial Effluent**

KIMIA PT Report No. 11/2019

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**Jabatan Kimia Malaysia
Jalan Sultan
46661 Petaling Jaya, Selangor
MALAYSIA
Tel: 603-79853000
Fax: 603-79853014
<http://ptos.kimia.gov.my>**

ACKNOWLEDGEMENTS

This proficiency testing programme was conducted by Quality Management and Research Centre in collaboration with Environmental Chemistry Division of Department of Chemistry Malaysia, Petaling Jaya.

We would like to thank the management and staff of the participating laboratories for their support towards this programme.

Approved signatory,

Li Hui ling

Proficiency Testing Coordinator
Chemical Metrology Division
Department of Chemistry Malaysia
46661 Petaling Jaya
Selangor
MALAYSIA

Tel: 603-79853163

Fax: 603-79853014

Email: lhling@kimia.gov.my

This report was authorized by
Director of Chemical Metrology Division
Khairul Anuar bin Abdul Aziz
Date: 26th July 2019

SUMMARY

This proficiency testing programme was conducted in May-July 2019. A total of one hundred forty-two (142) participants from laboratories in Malaysia and ASEAN countries participated in this PT scheme. One PT item labelled as ENVITEST 4-19 "Item A" was dispatched to the participating laboratories and all of them had submitted their results.

Results for this study are summarised as follows:

PT Item	Testing Parameter	Assigned value (mg/L)	Expanded Uncertainty (mg/L)	Number of scores, $ z \leq 2.0$	Total number of responses	% $ z \leq 2.0$
Item A	Total Solids	195	4	111	116	96
	Total Suspended Solids	63	2	117	137	85
	Total Dissolved Solids	129	4	104	120	87

The expanded uncertainties are based on coverage factor, $k = 2$ for 95% confidence level.