



Verification Division  
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ENGLISH only

### NOTE BY THE DIRECTOR-GENERAL

#### EVALUATION OF THE RESULTS OF THE THIRTY-THIRD OPCW PROFICIENCY TEST

1. The Director-General wishes to inform the Member States of the results of the Thirty-Third Official OPCW Proficiency Test, which was conducted by the Technical Secretariat (hereinafter “the Secretariat”) from February to August 2013. The test was conducted in accordance with the following quality management system documents:
  - (a) “Standard Operating Procedure for the Organisation of OPCW Proficiency Tests” (QDOC/LAB/SOP/PT01 (Issue 2, Revision 2, dated 6 August 2012));
  - (b) “Work Instruction for the Preparation of Samples for OPCW Proficiency Tests” (QDOC/LAB/WI/PT02 (Issue 2, Revision 2, dated 28 March 2013));
  - (c) “Work Instruction for the Evaluation of the Results of OPCW Proficiency Tests” (QDOC/LAB/WI/PT03 (Issue 3, Revision 0, dated 28 March 2013)); and
  - (d) Work Instruction for the Reporting of the Results of the OPCW Proficiency Tests” (QDOC/LAB/WI/PT04 (Issue 1, Revision 2, dated 28 March 2013)).
2. Designated laboratories must, in order to retain their designation, demonstrate once per calendar year that they have maintained their capabilities in a proficiency test organised by the Secretariat.
3. Two laboratories offered to assist the Secretariat in conducting the Thirty-Third Official OPCW Proficiency Test: the Laboratory of Analytical Chemistry, Research Institute of Chemical Defence, China assisted in preparing the test samples and the Verification Laboratory, Defence Medical and Environmental Research Institute, DSO National Laboratories, Singapore assisted in evaluating the test results.
4. The preliminary evaluation report was discussed at a meeting between the Secretariat staff and the test participants on 2 July 2013. The participants were given two weeks to comment on the results, and to inform the Secretariat whether they accepted the performance evaluation.
5. The evaluating laboratory submitted its final evaluation report to the Secretariat on 22 July 2013.



6. The principal results of the Thirty-Third Official OPCW Proficiency Test can be summarised as follows:
  - (a) twenty participants including two assisting laboratories and six trial participants took part in the test;
  - (b) fifteen of the test participants submitted their analytical report within the test period;
  - (c) three participants did not submit a report;
  - (d) two test participants identified and reported, with sufficient analytical data, all of the spiked chemicals;
  - (e) fourteen false positive chemicals were reported by four test participants;
  - (f) ten non-scoring chemicals were reported by twelve test participants;
  - (g) four irrelevant chemicals were reported by two test participants;
  - (h) no scores were given for six trial participations;
  - (i) the sample preparation laboratory and the evaluating laboratory were awarded the maximum performance rating of "A"; and
  - (j) there are four As, two Bs, two Cs, three Ds and three Fs in the test score for the participants, including the two As of the two assisting laboratories.
7. The final results for all the 20 participating laboratories are presented in the table annexed hereto.
8. The participating laboratories are reminded that, if they have made any errors or reported false positives or false negatives (arising from a failure to find a spiking chemical or to provide sufficient supporting data for a chemical that is found), they should take immediate remedial action. Before participating in the next test, each such laboratory is required to submit to the Secretariat a full report stating the cause of the problem and any remedial action it has taken. Any such laboratory failing to submit the required report, including details of the remedial action it has taken, will not be permitted to participate in the next Proficiency Test.

Annex: Final Results of the Thirty-Third Official OPCW Proficiency Test

## Annex

**FINAL RESULTS OF THE THIRTY-THIRD  
OFFICIAL OPCW PROFICIENCY TEST**

<b>Participant (Laboratory Code)</b>	<b>No. of Spiking Chemicals Reported<sup>1</sup></b>	<b>No. of Chemicals Scored</b>	<b>Rating</b>	<b>Comments</b>
<b>Brazil</b> CTEx, Laboratório de Análises Químicas (15)	<b>5</b>	<b>3</b>	<b>D</b>	Spiking chemicals A and F were not reported; insufficient data for reported spiking chemicals B and C; and reported one non-scoring chemical J
<b>China</b> Laboratory of Analytical Chemistry, Research Institute of Chemical Defence	-	-	<b>A</b>	Sample preparation laboratory
<b>Czech Republic</b> VVÚ Brno, s.p., Vojenský výzkumný ústav, s.p. (12)	<b>1</b>	<b>0</b>	<b>#</b>	Spiking chemicals A, B, D, E, F and G were not reported; insufficient data for reported spiking chemical C; reported six false positive chemicals W, X, Y, Z, AB and AC; reported one non-scoring chemical AA; and no score given for trial participation
<b>Hungary</b> Hungarian Defense Forces, Military Hospital, Scientific Institute, Toxicological Research Department (9)	<b>4</b>	<b>0</b>	<b>D</b>	Spiking chemicals A, B and E were not reported; insufficient data for reported spiking chemicals C, D, F and G; and reported three non-scoring chemicals H, I, and J

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The spiking chemicals were as follows:

Sample 331: (A) Methyl-bis[2-butoxy(methyl)-phosphoryloxyethyl]amine

Sample 331: (B) O-Ethyl N,N-diethyl methylphosphonoamidate

Sample 332: (C) Bis(2-chloroethyl)methylamine

Sample 334: (D) Methyl-diethanolamine

Sample 334: (E) 2-(N,N-Diethylamino)-ethanesulfonic acid

Sample 335: (F) 2-(N-Ethyl-N-methylamino)ethanol

Sample 335: (G) Butyl methylphosphonate

<b>Participant (Laboratory Code)</b>	<b>No. of Spiking Chemicals Reported<sup>1</sup></b>	<b>No. of Chemicals Scored</b>	<b>Rating</b>	<b>Comments</b>
<b>India</b> Institute of Pesticide Formulation Technology <b>(16)</b>	<b>4</b>	<b>4</b>	<b>F</b>	Spiking chemicals A, B and E were not reported; reported one non-scoring chemical J; and reported two false positive chemicals AE and AF
<b>Iran (Islamic Republic of)</b> Defence Chemical Research Laboratory <b>(2)</b>	<b>6</b>	<b>6</b>	<b>B</b>	Spiking chemical A was not reported; and reported one non-scoring chemical J
<b>Iraq</b> Atomic Absorption Laboratory, Ministry of Science and Technology Material Science Directorate <b>(18)</b>	-	-	#	No report submitted; and no score given for trial participation
<b>Jordan</b> BEN HAYYAN- Aqaba International Laboratories <b>(14)</b>	-	-	#	No report submitted; and no score given for trial participation
<b>Malaysia</b> Department of Chemistry Malaysia <b>(3)</b>	<b>4</b>	<b>4</b>	<b>C</b>	Spiking chemicals A, E and G were not reported; and reported two non-scoring chemicals J and K
<b>Montenegro</b> Center for Eco- Toxicological Research Podgorica <b>(17)</b>	<b>0</b>	<b>0</b>	#	Spiking chemicals A, B, C, D, E, F and G were not reported; reported three irrelevant chemicals AG, AH and AI; and no score given for trial participation
<b>Morocco</b> Laboratoire de Recherches et d'Analyses Techniques et Scientifiques <b>(4)</b>	<b>4</b>	<b>0</b>	<b>D</b>	Spiking chemicals A, B and E were not reported; insufficient data for reported spiking chemicals C, D, F and G; and reported one non scoring chemical L

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<b>Nigeria</b> National Advanced Laboratories, Sheda Science and Technology Complex <b>(11)</b>	-	-	#	No report submitted; and no score given for trial participation
<b>Republic of Korea</b> The Chemical Defense Research Institute <b>(8)</b>	6	6	B	Spiking chemical E was not reported; and reported four non-scoring chemicals H, I, J and V
<b>Romania</b> Chemical Analysis and Testing Laboratory, Scientific Research Center for CBRN Defence & Ecology <b>(5)</b>	5	5	C	Spiking chemicals A and E were not reported; and reported three non-scoring chemicals M, N and O
<b>Singapore</b> Verification Laboratory, Defence Medical and Environmental Research Institute, DSO National Laboratories		-	A	Evaluating laboratory
<b>Slovakia</b> Reference Chemical Laboratory <b>(10)</b>	4	2	F†	Spiking chemicals A, B and E were not reported; insufficient data for reported spiking chemicals C and G; reported two non-scoring chemicals H, and I; failure due to non-compliance with QDOC/LAB/WI/PT04 §8.3
<b>Switzerland</b> Spiez Laboratory, Swiss NBC Defence Establishment <b>(1)</b>	7	7	A	Reported two non-scoring chemicals H and I

<b>Participant (Laboratory Code)</b>	<b>No. of Spiking Chemicals Reported<sup>1</sup></b>	<b>No. of Chemicals Scored</b>	<b>Rating</b>	<b>Comments</b>
<b>Turkey</b> TUBITAK Bursa Test and Analysis Laboratory <b>(13)</b>	<b>2</b>	<b>0</b>	<b>F</b>	Spiking chemicals A, B, D, E and G were not reported; insufficient data for reported spiking chemicals C and F; reported one non-scoring chemical I; and reported one false positive chemical AD
<b>United Republic of Tanzania</b> Government Chemist Laboratory Agency, Ministry of Health and Social Welfare <b>(6)</b>	<b>0</b>	<b>0</b>	<b>#</b>	Spiking chemicals A, B, C, D, E, F and G were not reported; reported five false positive chemicals P, Q, S, T and U; reported one irrelevant chemical R; and no score given for trial participation
<b>United States of America</b> Edgewood Chemical and Biological Forensic Analytical Center (CBFAC) <b>(7)</b>	<b>7</b>	<b>7</b>	<b>A</b>	-