

**NOTE BY THE DIRECTOR-GENERAL****LISTS OF NEW VALIDATED DATA OF SCHEDULED CHEMICALS FOR APPROVAL  
BY THE EXECUTIVE COUNCIL FOR INCLUSION IN THE OPCW CENTRAL  
ANALYTICAL DATABASE**

1. In accordance with a decision by the Executive Council (hereinafter “the Council”) at its Fourth Session (EC-IV/DEC.2, dated 5 September 1997), “Proposed Mechanism for Updating the OPCW Central Analytical Database”, which was subsequently adopted by the Conference of the States Parties at its Second Session (subparagraph 11.2(c) of C-II/8, dated 5 December 1997), the Director-General established a Validation Group (hereinafter “the Group”) to evaluate new data to be proposed for inclusion in that database. The Group met for the Fortieth time on 9 and 10 September 2014 and submitted lists of validated analytical data to the Director-General for appropriate action.
2. In accordance with the aforementioned mechanism, lists of new validated data proposed for inclusion will be submitted to the members of the Council and distributed to all States Parties no later than 30 days before the opening of the Seventy-Eighth Session, during which the Council will be requested to consider the data. The Technical Secretariat (hereinafter “the Secretariat”) hereby submits to the members of the Council and distributes to all States Parties, in the annex to this Note, lists of new validated analytical data proposed for inclusion in the OPCW Central Analytical Database (OCAD).
3. The Verification Division will, upon request, make available to States Parties copies of the new validated mass spectrometry (MS) and gas chromatography (retention index) (GC(RI)) data listed in the annex. In accordance with the mechanism referred to in paragraph 1 above, any State Party that has concerns about the proposed inclusion in the OCAD of any of this data should make them known to the Secretariat before the Seventy-Eighth Session of the Council.

Annex (English only):            Lists of New Validated Data of Scheduled Chemicals



## Annex

## LISTS OF NEW VALIDATED DATA OF SCHEDULED CHEMICALS

TABLE 1: LIST OF APPROVED MS DATA OF SCHEDULED CHEMICALS

| OPCW Code  | Chemical Name                                      | Schedule |
|------------|----------------------------------------------------|----------|
| 16-2-0205a | 1,2-Dimethylpropyl propyl methylphosphonate        | 2.B.04   |
| 16-2-0205b | 1,2-Dimethylpropyl propyl methylphosphonate        | 2.B.04   |
| 16-2-0206a | 1,2-Dimethylpropyl propyl ethylphosphonate         | 2.B.04   |
| 16-2-0206b | 1,2-Dimethylpropyl propyl ethylphosphonate         | 2.B.04   |
| 16-2-0207a | 1,2-Dimethylpropyl propyl propylphosphonate        | 2.B.04   |
| 16-2-0207b | 1,2-Dimethylpropyl propyl propylphosphonate        | 2.B.04   |
| 16-2-0208  | 2-Ethoxy-1-methylethyl methyl methylphosphonate    | 2.B.04   |
| 16-2-0209a | 2-Ethoxy-1-methylethyl methyl ethylphosphonate     | 2.B.04   |
| 16-2-0209b | 2-Ethoxy-1-methylethyl methyl ethylphosphonate     | 2.B.04   |
| 16-2-0210a | 2-Ethoxy-1-methylethyl methyl propylphosphonate    | 2.B.04   |
| 16-2-0210b | 2-Ethoxy-1-methylethyl methyl propylphosphonate    | 2.B.04   |
| 16-2-0211a | 2-Ethoxy-1-methylethyl ethyl methylphosphonate     | 2.B.04   |
| 16-2-0211b | 2-Ethoxy-1-methylethyl ethyl methylphosphonate     | 2.B.04   |
| 16-2-0212  | 2-Ethoxy-1-methylethyl ethyl ethylphosphonate      | 2.B.04   |
| 16-2-0213a | 2-Ethoxy-1-methylethyl ethyl propylphosphonate     | 2.B.04   |
| 16-2-0213b | 2-Ethoxy-1-methylethyl ethyl propylphosphonate     | 2.B.04   |
| 16-2-0214a | 2-Ethoxy-1-methylethyl isopropyl methylphosphonate | 2.B.04   |
| 16-2-0214b | 2-Ethoxy-1-methylethyl isopropyl methylphosphonate | 2.B.04   |
| 16-2-0215  | 2-Ethoxy-1-methylethyl isopropyl ethylphosphonate  | 2.B.04   |
| 16-2-0216  | 2-Ethoxy-1-methylethyl isopropyl propylphosphonate | 2.B.04   |
| 16-2-0217a | 2-Ethoxy-1-methylethyl propyl methylphosphonate    | 2.B.04   |
| 16-2-0217b | 2-Ethoxy-1-methylethyl propyl methylphosphonate    | 2.B.04   |
| 16-2-0218a | 2-Ethoxy-1-methylethyl propyl ethylphosphonate     | 2.B.04   |
| 16-2-0218b | 2-Ethoxy-1-methylethyl propyl ethylphosphonate     | 2.B.04   |
| 16-2-0219a | 2-Ethoxy-1-methylethyl propyl propylphosphonate    | 2.B.04   |
| 16-2-0219b | 2-Ethoxy-1-methylethyl propyl propylphosphonate    | 2.B.04   |
| 16-2-0220a | Bis(2-ethoxy-1-methylethyl) methylphosphonate      | 2.B.04   |
| 16-2-0220b | Bis(2-ethoxy-1-methylethyl) methylphosphonate      | 2.B.04   |
| 16-2-0220c | Bis(2-ethoxy-1-methylethyl) methylphosphonate      | 2.B.04   |
| 16-2-0221a | Bis(2-ethoxy-1-methylethyl) ethylphosphonate       | 2.B.04   |
| 16-2-0221b | Bis(2-ethoxy-1-methylethyl) ethylphosphonate       | 2.B.04   |
| 16-2-0221c | Bis(2-ethoxy-1-methylethyl) ethylphosphonate       | 2.B.04   |
| 16-2-0222a | Bis(2-ethoxy-1-methylethyl) propylphosphonate      | 2.B.04   |
| 16-2-0222b | Bis(2-ethoxy-1-methylethyl) propylphosphonate      | 2.B.04   |
| 16-2-0222c | Bis(2-ethoxy-1-methylethyl) propylphosphonate      | 2.B.04   |
| 16-2-0223  | 2-Isopropoxyethyl methyl methylphosphonate         | 2.B.04   |
| 16-2-0224  | 2-Isopropoxyethyl methyl ethylphosphonate          | 2.B.04   |
| 16-2-0225  | 2-Isopropoxyethyl methyl propylphosphonate         | 2.B.04   |
| 16-2-0226  | Ethyl 2-isopropoxyethyl methylphosphonate          | 2.B.04   |
| 16-2-0227  | Ethyl 2-isopropoxyethyl ethylphosphonate           | 2.B.04   |
| 16-2-0229  | 2-Isopropoxyethyl isopropyl methylphosphonate      | 2.B.04   |

| <b>OPCW Code</b> | <b>Chemical Name</b>                          | <b>Schedule</b> |
|------------------|-----------------------------------------------|-----------------|
| 16-2-0230        | 2-Isopropoxyethyl isopropyl ethylphosphonate  | 2.B.04          |
| 16-2-0231        | 2-Isopropoxyethyl isopropyl propylphosphonate | 2.B.04          |
| 16-2-0232        | 2-Isopropoxyethyl propyl methylphosphonate    | 2.B.04          |
| 16-2-0233        | 2-Isopropoxyethyl propyl ethylphosphonate     | 2.B.04          |
| 16-2-0234        | 2-Isopropoxyethyl propyl propylphosphonate    | 2.B.04          |
| 16-2-0235        | Bis(2-isopropoxyethyl) methylphosphonate      | 2.B.04          |
| 16-2-0236        | Bis(2-isopropoxyethyl) ethylphosphonate       | 2.B.04          |
| 16-2-0237        | Bis(2-isopropoxyethyl) propylphosphonate      | 2.B.04          |
| 16-2-0067r       | Isobutyl propyl isopropylphosphonate          | 2.B.04          |

**TABLE 2: LIST OF APPROVED GC(RI) DATA**

Note: A “1” under the “Column” heading of GC(RI) data means an HP5 or an SE54 column and a “2” means a DB-5MS column.

| OPCW Code | Chemical Name                                      | Schedule | Column | RI(a) | RI(b) | RI(c) |
|-----------|----------------------------------------------------|----------|--------|-------|-------|-------|
| 16-4-0239 | 1,2-Dimethylpropyl propyl methylphosphonate        | 2.B.04   | 1      | 1296  | 1304  |       |
| 16-4-0240 | 1,2-Dimethylpropyl propyl ethylphosphonate         | 2.B.04   | 1      | 1378  | 1387  |       |
| 16-4-0241 | 1,2-Dimethylpropyl propyl propylphosphonate        | 2.B.04   | 1      | 1449  | 1455  |       |
| 16-4-0242 | 2-Ethoxy-1-methylethyl methyl methylphosphonate    | 2.B.04   | 1      | 1242  |       |       |
| 16-4-0243 | 2-Ethoxy-1-methylethyl methyl ethylphosphonate     | 2.B.04   | 1      | 1319  | 1322  |       |
| 16-4-0244 | 2-Ethoxy-1-methylethyl methyl propylphosphonate    | 2.B.04   | 1      | 1393  | 1399  |       |
| 16-4-0245 | 2-Ethoxy-1-methylethyl ethyl methylphosphonate     | 2.B.04   | 1      | 1295  | 1298  |       |
| 16-4-0246 | 2-Ethoxy-1-methylethyl ethyl ethylphosphonate      | 2.B.04   | 1      | 1376  |       |       |
| 16-4-0247 | 2-Ethoxy-1-methylethyl ethyl propylphosphonate     | 2.B.04   | 1      | 1447  | 1450  |       |
| 16-4-0248 | 2-Ethoxy-1-methylethyl isopropyl methylphosphonate | 2.B.04   | 1      | 1322  | 1328  |       |
| 16-4-0249 | 2-Ethoxy-1-methylethyl isopropyl ethylphosphonate  | 2.B.04   | 1      | 1396  |       |       |
| 16-4-0250 | 2-Ethoxy-1-methylethyl isopropyl propylphosphonate | 2.B.04   | 1      | 1467  |       |       |
| 16-4-0251 | 2-Ethoxy-1-methylethyl propyl methylphosphonate    | 2.B.04   | 1      | 1383  | 1390  |       |
| 16-4-0252 | 2-Ethoxy-1-methylethyl propyl ethylphosphonate     | 2.B.04   | 1      | 1461  | 1465  |       |
| 16-4-0253 | 2-Ethoxy-1-methylethyl propyl propylphosphonate    | 2.B.04   | 1      | 1535  | 1537  |       |
| 16-4-0254 | Bis(2-ethoxy-1-methylethyl) methylphosphonate      | 2.B.04   | 1      | 1543  | 1556  | 1565  |
| 16-4-0255 | Bis(2-ethoxy-1-methylethyl) ethylphosphonate       | 2.B.04   | 1      | 1613  | 1623  | 1631  |
| 16-4-0256 | Bis(2-ethoxy-1-methylethyl) propylphosphonate      | 2.B.04   | 1      | 1682  | 1689  | 1692  |
| 16-4-0257 | 2-Isopropoxyethyl methyl methylphosphonate         | 2.B.04   | 1      | 1281  |       |       |
| 16-4-0258 | 2-Isopropoxyethyl methyl ethylphosphonate          | 2.B.04   | 1      | 1364  |       |       |
| 16-4-0259 | 2-Isopropoxyethyl methyl propylphosphonate         | 2.B.04   | 1      | 1446  |       |       |
| 16-4-0260 | Ethyl 2-isopropoxyethyl methylphosphonate          | 2.B.04   | 1      | 1344  |       |       |
| 16-4-0261 | Ethyl 2-isopropoxyethyl ethylphosphonate           | 2.B.04   | 1      | 1428  |       |       |
| 16-4-0262 | Ethyl 2-isopropoxyethyl propylphosphonate          | 2.B.04   | 1      | 1499  |       |       |
| 16-4-0263 | 2-Isopropoxyethyl isopropyl methylphosphonate      | 2.B.04   | 1      | 1373  |       |       |
| 16-4-0264 | 2-Isopropoxyethyl isopropyl ethylphosphonate       | 2.B.04   | 1      | 1445  |       |       |
| 16-4-0265 | 2-Isopropoxyethyl isopropyl propylphosphonate      | 2.B.04   | 1      | 1518  |       |       |
| 16-4-0266 | 2-Isopropoxyethyl propyl methylphosphonate         | 2.B.04   | 1      | 1436  |       |       |

| <b>OPCW Code</b> | <b>Chemical Name</b>                       | <b>Schedule</b> | <b>Column</b> | <b>RI(a)</b> | <b>RI(b)</b> | <b>RI(c)</b> |
|------------------|--------------------------------------------|-----------------|---------------|--------------|--------------|--------------|
| 16-4-0267        | 2-Isopropoxyethyl propyl ethylphosphonate  | 2.B.04          | 1             | 1516         |              |              |
| 16-4-0268        | 2-Isopropoxyethyl propyl propylphosphonate | 2.B.04          | 1             | 1578         |              |              |
| 16-4-0269        | Bis(2-isopropoxyethyl) methylphosphonate   | 2.B.04          | 1             | 1640         |              |              |
| 16-4-0270        | Bis(2-isopropoxyethyl) ethylphosphonate    | 2.B.04          | 1             | 1710         |              |              |
| 16-4-0271        | Bis(2-isopropoxyethyl) propylphosphonate   | 2.B.04          | 1             | 1780         |              |              |

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