



Eighty-Fifth Session  
11 – 14 July 2017

EC-85/DEC.9  
14 July 2017  
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## DECISION

### LISTS OF NEW VALIDATED DATA OF SCHEDULED CHEMICALS FOR INCLUSION IN THE OPCW CENTRAL ANALYTICAL DATABASE

**The Executive Council,**

**Recalling** that, at its Second Session, the Conference of the States Parties, acting upon the recommendation of the Executive Council (hereinafter “the Council”) at its Fourth Session, adopted the decision entitled “Proposed Mechanism for Updating the OPCW Central Analytical Database” (EC-IV/DEC.2, dated 5 September 1997) (subparagraph 11.2(c) of C-II/8, dated 5 December 1997);

**Also recalling** that the Director-General established a Validation Group (hereinafter “the Group”) to evaluate new data proposed for inclusion in that database, and that, at its Forty-Fourth Meeting, on 28 and 29 September 2016; and its Forty-Fifth Meeting, on 29 and 30 March 2017, the Group forwarded the combined lists of validated analytical data to the Director-General for appropriate action (S/1433/2016, dated 7 November 2016; and S/1498/2017, dated 15 May 2017);

**Recalling further** that the Director-General has forwarded to the Council for consideration at its Eighty-Fifth Session the Note, “Lists of New Validated Data of Scheduled Chemicals for Approval by the Executive Council for Inclusion in the OPCW Central Analytical Database” (EC-85/DG.14, dated 31 May 2017);

**Bearing in mind** that the Verification Division made available to Member States, upon request, copies of the new validated infrared spectroscopy (IR), mass spectrometry (MS) and gas chromatography (retention index) (GC(RI)) data listed in the annex to the above-mentioned Note (EC-85/DG.14) and that, in accordance with the mechanism referred to in the first paragraph above, any State Party that had concerns about the proposed inclusion in the OPCW Central Analytical Database (OCAD) of any data contained in the annex to that Note had the opportunity to make their concerns known to the Technical Secretariat (hereinafter “the Secretariat”) before the Eighty-Fifth Session of the Council; and

**Also bearing in mind** that no concerns in relation to the proposed inclusion in the OCAD of any of the data, which is annexed hereto and which is listed in the annex to the above-mentioned Note, were communicated to the Secretariat before the Eighty-Fifth Session of the Council;



**Hereby:**

**Approves** the inclusion in the OCAD of the lists of new validated data annexed hereto.

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 IR DATA OF SCHEDULED CHEMICALS

OPCW code	Chemical name	Schedule	Decision
04-1-0376v	Propyl N,N-dimethylphosphoramidocyanidate	1.A.02	A
04-1-0378v	Isobutyl N,N-dimethylphosphoramidocyanidate	1.A.02	A
04-1-0379v	Pentyl N,N-dimethylphosphoramidocyanidate	1.A.02	A
04-1-0380v	Hexyl N,N-dimethylphosphoramidocyanidate	1.A.02	A
04-1-0381v	Pinacolyl N,N-dimethylphosphoramidocyanidate	1.A.02	A
04-1-0382v	Cyclopentyl N,N-dimethylphosphoramidocyanidate	1.A.02	A
04-1-0383v	Cyclohexyl N,N-dimethylphosphoramidocyanidate	1.A.02	A
04-1-0384v	Methyl N,N-diethylphosphoramidocyanidate	1.A.02	A
04-1-0385v	Ethyl N,N-diethylphosphoramidocyanidate	1.A.02	A
04-1-0386v	Propyl N,N-diethylphosphoramidocyanidate	1.A.02	A
04-1-0388v	sec-Butyl N,N-diethylphosphoramidocyanidate	1.A.02	A
04-1-0389v	Pentyl N,N-diethylphosphoramidocyanidate	1.A.02	A
04-1-0390v	Hexyl N,N-diethylphosphoramidocyanidate	1.A.02	A
04-1-0391v	Pinacolyl N,N-diethylphosphoramidocyanidate	1.A.02	A
04-1-0392v	Cyclopentyl N,N-diethylphosphoramidocyanidate	1.A.02	A
04-1-0393v	Cyclohexyl N,N-diethylphosphoramidocyanidate	1.A.02	A

TABLE 2: LIST OF APPROVED MS DATA OF SCHEDULED CHEMICALS

OPCW code	Chemical Name	Schedule	Decision
04-2-0562ar	2-Methylcyclopentyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	A
04-2-0562br	2-Methylcyclopentyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	A
04-2-0563ar	2,6-Dimethylcyclohexyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	B
04-2-0563br	2,6-Dimethylcyclohexyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	B
04-2-0564ar	3,5-Dimethylcyclohexyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	B
04-2-0564br	3,5-Dimethylcyclohexyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	B
04-2-0564cr	3,5-Dimethylcyclohexyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	B

OPCW code	Chemical Name	Schedule	Decision
04-2-0568ar	Pinacolyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	B
04-2-0568br	Pinacolyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	B
04-2-0571ar	Pinacolyl S-2-diethylaminoethyl propylphosphonothiolate	1.A.03	B
04-2-0571br	Pinacolyl S-2-diethylaminoethyl propylphosphonothiolate	1.A.03	B
07-2-3490	Methyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3491	Methyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3492	Methyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3493	Methyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3496	Ethyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3497	Ethyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3498	Ethyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3499	Ethyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3502	Propyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3503	Propyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3504	Propyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3506	Propyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3507	Isopropyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3508	Isopropyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3509	Isopropyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3510	Isopropyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3511	Isopropyl S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3512	Isopropyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A

OPCW code	Chemical Name	Schedule	Decision
07-2-3513	Butyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3514	Butyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3515	Butyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3516	Butyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3519a	sec-Butyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3519b	sec-Butyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3520a	sec-Butyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3520b	sec-Butyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3521a	sec-Butyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3521b	sec-Butyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3522a	sec-Butyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3522b	sec-Butyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3523a	sec-Butyl S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3523b	sec-Butyl S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3524a	sec-Butyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3524b	sec-Butyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3525	Isobutyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3526	Isobutyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3527	Isobutyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3528	Isobutyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3529	Isobutyl S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3530	Isobutyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A

OPCW code	Chemical Name	Schedule	Decision
07-2-3531	Cyclohexyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3532	Cyclohexyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3533	Cyclohexyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3534	Cyclohexyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3535	Cyclohexyl S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3536	Cyclohexyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3537a	Pinacolyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3537b	Pinacolyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3538a	Pinacolyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3538b	Pinacolyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3539a	Pinacolyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3539b	Pinacolyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3540a	Pinacolyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3540b	Pinacolyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3542a	Pinacolyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3542b	Pinacolyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
16-2-0278a	2-Methoxy-1-methylethyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	B
16-2-0278b	2-Methoxy-1-methylethyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	B
16-2-0280	2-Ethoxyethyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	B
16-2-0281b	1,2-Dimethylpropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	B
16-2-0282	2,2-Dimethylpropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	B
16-2-0283	1-Ethylpropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	B

OPCW code	Chemical Name	Schedule	Decision
16-2-0284	3-Methylbutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	B
16-2-0285	Cyclopentyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	B
16-2-0286a	1-Ethyl-2-methylpropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	B
16-2-0286b	1-Ethyl-2-methylpropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	B
16-2-0287a	2-Ethoxy-1-methylethyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	B
16-2-0287b	2-Ethoxy-1-methylethyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	B
16-2-0288b	2-Methoxy-1-methylethyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	B
16-2-0289	Cyclopropylmethyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	B
16-2-0290	2-Ethoxyethyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	B
16-2-0291b	1,2-Dimethylpropyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	B
16-2-0292	2,2-Dimethylpropyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	B
16-2-0293	1-Ethylpropyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	B
16-2-0294	3-Methylbutyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	B
16-2-0295	Cyclopentyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	B
28-2-0202	Methyl 2-diethylaminoethyl methylphosphonite	1.B.10	A
28-2-0203	Methyl-d3 2-diethylaminoethyl methylphosphonite	1.B.10	A
28-2-0204	Ethyl 2-diethylaminoethyl methylphosphonite	1.B.10	A
28-2-0205	Ethyl-d5 2-diethylaminoethyl methylphosphonite	1.B.10	A
28-2-0206	Ethyl 2-diisopropylaminoethyl methylphosphonite	1.B.10	A
28-2-0207	Ethyl-d5 2-diisopropylaminoethyl methylphosphonite	1.B.10	A
28-2-0208	Ethyl 2-dimethylaminoethyl ethylphosphonite	1.B.10	A
28-2-0209	Ethyl-d5 2-dimethylaminoethyl ethylphosphonite	1.B.10	A
28-2-0210	Methyl-d3 2-dimethylaminoethyl ethylphosphonite	1.B.10	A
28-2-0211	Ethyl 2-diethylaminoethyl ethylphosphonite	1.B.10	A
28-2-0212	Ethyl-d5 2-diethylaminoethyl ethylphosphonite	1.B.10	A
28-2-0213	Ethyl 2-diisopropylaminoethyl ethylphosphonite	1.B.10	A
28-2-0214	Ethyl-d5 2-diisopropylaminoethyl ethylphosphonite	1.B.10	A

OPCW code	Chemical Name	Schedule	Decision
28-2-0215	Bis(2-diethylaminoethyl) ethylphosphonite	2.B.04	A
28-2-0216	Methyl-d3 2-diethylaminoethyl methylphosphonate	2.B.04	A
28-2-0217	Ethyl-d5 2-diethylaminoethyl methylphosphonate	2.B.04	A
28-2-0218	Ethyl-d5 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
28-2-0219	Phenyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	B
28-2-0220	Methyl 2-dimethylaminoethyl ethylphosphonate	2.B.04	A
28-2-0221	Methyl-d3 2-dimethylaminoethyl ethylphosphonate	2.B.04	A
28-2-0222	Ethyl 2-dimethylaminoethyl ethylphosphonate	2.B.04	A
28-2-0224	Methyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
28-2-0227	Bis(2-dimethylaminoethyl) ethylphosphonate	2.B.04	A
28-2-0228	Bis(2-diethylaminoethyl) ethylphosphonate	2.B.04	A
28-2-0229	Bis(2-diisopropylaminoethyl) ethylphosphonate	2.B.04	A
04-2-0580	1-Ethylpropyl N,N-dimethylphosphoramidocyanidate	1.A.02	A
07-2-3543	Propyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	A
07-2-3544	Methyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3545	Methyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3546	Methyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3547	Methyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3548	Methyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3549	Methyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3550	Ethyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3553	Ethyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3554	Ethyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3555	Ethyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3556	Propyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3557	Propyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3558	Propyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A



OPCW code	Chemical Name	Schedule	Decision
07-2-3559	Propyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3560	Propyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3561	Propyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3562	Isopropyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3563	Isopropyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3564	Isopropyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3565	Isopropyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3566	Isopropyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3567	Isopropyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3568	Butyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3569	Butyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3570	Butyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3571	Butyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3573	Butyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3574a	sec-Butyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3574b	sec-Butyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3575a	sec-Butyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3575b	sec-Butyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3576a	sec-Butyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3576b	sec-Butyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3577a	sec-Butyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3577b	sec-Butyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A

OPCW code	Chemical Name	Schedule	Decision
07-2-3578a	sec-Butyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3578b	sec-Butyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3579a	sec-Butyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3579b	sec-Butyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3580	Isobutyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3582	Isobutyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3583	Isobutyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3584	Isobutyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3585	Isobutyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3586	Cyclohexyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3587	Cyclohexyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3588	Cyclohexyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3589	Cyclohexyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3590	Cyclohexyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3591	Cyclohexyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3592a	Pinacolyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3592b	Pinacolyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3593a	Pinacolyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3593b	Pinacolyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3594a	Pinacolyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3594b	Pinacolyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3596a	Pinacolyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	A

OPCW code	Chemical Name	Schedule	Decision
07-2-3596b	Pinacolyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3597a	Pinacolyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
07-2-3597b	Pinacolyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	A
16-2-0268r	2,2-Dimethylpropyl propyl methylphosphonate	2.B.04	A
16-2-0269r	2,2-Dimethylpropyl propyl ethylphosphonate	2.B.04	A
16-2-0281ar	1,2-Dimethylpropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0291ar	1,2-Dimethylpropyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0297ar	2-Ethoxy-1-methylethyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0297br	2-Ethoxy-1-methylethyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0298	3-Methoxypropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0299	Cyclobutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0300	2-Methylbutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0301	Hexyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0302a	1-Methylbutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0302b	1-Methylbutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0304	2-Propoxyethyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0305	3-Ethoxypropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0306	4-Methoxybutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0309	3-Methylpentyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0310	2-Methylpentyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0311a	1-Ethylbutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0311b	1-Ethylbutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0312a	1-Methylpentyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A
16-2-0312b	1-Methylpentyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	A

OPCW code	Chemical Name	Schedule	Decision
16-2-0313	3-Methoxypropyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0315	2-Methylbutyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0316	Hexyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0318	3-Methoxybutyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0319	2-Propoxyethyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0320	3-Ethoxypropyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0322	Cyclobutylmethyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0323	4-Methylpentyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0324	3-Methylpentyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0325	2-Methylpentyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0326a	1-Ethylbutyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0326b	1-Ethylbutyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0327a	1-Methylpentyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
16-2-0327b	1-Methylpentyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	A
28-2-0230	Methylphosphonoselenoic dichloride	2.B.04	A
28-2-0231	Methyl methylphosphonoselenochloridate	2.B.04	A
28-2-0232	Ethyl methylphosphonoselenochloridate	2.B.04	A
28-2-0233	Ethyl-d5 methylphosphonoselenochloridate	2.B.04	A
28-2-0234	Propyl methylphosphonoselenochloridate	2.B.04	A
28-2-0235	Isopropyl methylphosphonoselenochloridate	2.B.04	A
28-2-0237	Butyl methylphosphonoselenochloridate	2.B.04	A
28-2-0238a	sec-Butyl methylphosphonoselenochloridate	2.B.04	A
28-2-0238b	sec-Butyl methylphosphonoselenochloridate	2.B.04	A
28-2-0239	Phenyl methylphosphonoselenochloridate	2.B.04	A
28-2-0240	Dimethyl methylphosphonoselenoate	2.B.04	A
28-2-0241	Bis(methyl-d3) methylphosphonoselenoate	2.B.04	A
28-2-0242	Diethyl methylphosphonoselenoate	2.B.04	A
28-2-0243	Bis(ethyl-d5) methylphosphonoselenoate	2.B.04	A

<b>OPCW code</b>	<b>Chemical Name</b>	<b>Schedule</b>	<b>Decision</b>
28-2-0244	Dipropyl methylphosphonoselenoate	2.B.04	A
28-2-0245	Diisopropyl methylphosphonoselenoate	2.B.04	A
28-2-0246	Bis(isopropyl-d7) methylphosphonoselenoate	2.B.04	A
28-2-0247	Dibutyl methylphosphonoselenoate	2.B.04	A
28-2-0248a	Bis(sec-butyl) methylphosphonoselenoate	2.B.04	A
28-2-0248b	Bis(sec-butyl) methylphosphonoselenoate	2.B.04	A
28-2-0250	Ethyl propyl methylphosphonoselenoate	2.B.04	A
28-2-0251	Ethyl isopropyl methylphosphonoselenoate	2.B.04	A
28-2-0252a	sec-Butyl ethyl methylphosphonoselenoate	2.B.04	A
28-2-0252b	sec-Butyl ethyl methylphosphonoselenoate	2.B.04	A
28-2-0253	Butyl propyl methylphosphonoselenoate	2.B.04	A
28-2-0254a	sec-Butyl propyl methylphosphonoselenoate	2.B.04	A
28-2-0254b	sec-Butyl propyl methylphosphonoselenoate	2.B.04	A
28-2-0255	Butyl isopropyl methylphosphonoselenoate	2.B.04	A

**TABLE 3: 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)	Decision
07-4-3353	Methyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1624			A
07-4-3354	Methyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1703			A
07-4-3355	Methyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1701			A
07-4-3356	Methyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1764			A
07-4-3357	Methyl S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	2	1751			A
07-4-3358	Methyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1822			A
07-4-3359	Ethyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1667			A
07-4-3360	Ethyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1747			A
07-4-3361	Ethyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1746			A
07-4-3362	Ethyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1804			A
07-4-3363	Ethyl S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	2	1791			A
07-4-3364	Ethyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1860			A
07-4-3365	Propyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1757			A
07-4-3366	Propyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1832			A
07-4-3367	Propyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1888			A
07-4-3368	Propyl S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	2	1876			A
07-4-3369	Propyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1943			A
07-4-3370	Isopropyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1677			A
07-4-3371	Isopropyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1751			A
07-4-3372	Isopropyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1752			A

OPCW Code	Chemical Name	Schedule	Column	RI(a)	RI(b)	RI(c)	Decision
07-4-3373	Isopropyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1808			A
07-4-3374	Isopropyl S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	2	1791			A
07-4-3375	Isopropyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1860			A
07-4-3376	Butyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1847			A
07-4-3377	Butyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1922			A
07-4-3378	Butyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1922			A
07-4-3379	Butyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1978			A
07-4-3380	Butyl S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	2	1966			A
07-4-3381	Butyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	2033			A
07-4-3382	sec-Butyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1765	1770		A
07-4-3383	sec-Butyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1839	1844		A
07-4-3384	sec-Butyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1841	1845		A
07-4-3385	sec-Butyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1894	1899		A
07-4-3386	sec-Butyl S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	2	1879	1884		A
07-4-3387	sec-Butyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1947	1951		A
07-4-3388	Isobutyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1798			A
07-4-3389	Isobutyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1874			A
07-4-3390	Isobutyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1874			A
07-4-3391	Isobutyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1930			A
07-4-3392	Isobutyl S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	2	1917			A

OPCW Code	Chemical Name	Schedule	Column	RI(a)	RI(b)	RI(c)	Decision
07-4-3393	Isobutyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1984			A
07-4-3394	Cyclohexyl S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	2091			A
07-4-3395	Cyclohexyl S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	2170			A
07-4-3396	Cyclohexyl S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	2172			A
07-4-3397	Cyclohexyl S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	2223			A
07-4-3398	Cyclohexyl S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	2	2208			A
07-4-3399	Cyclohexyl S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	2276			A
07-4-3400	Pinacoly S-2-N-ethyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1877	1893		A
07-4-3401	Pinacoly S-2-N-methyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	1953	1969		A
07-4-3402	Pinacoly S-2-N-isopropyl-N-methylaminoethyl propylphosphonothiolate	1.A.03	2	1955	1971		A
07-4-3403	Pinacoly S-2-N-ethyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	2007	2023		A
07-4-3404	Pinacoly S-2-N-ethyl-N-isopropylaminoethyl propylphosphonothiolate	1.A.03	2	1992	2009		A
07-4-3405	Pinacoly S-2-N-isopropyl-N-propylaminoethyl propylphosphonothiolate	1.A.03	2	2056	2073		A
16-4-0312	2-Methoxy-1-methylethyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1781	1793		B
16-4-0313	Cyclopropylmethyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1807			B
16-4-0314	2-Ethoxyethyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1845			B
16-4-0315	1,2-Dimethylpropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1748	1764		B
16-4-0316	2,2-Dimethylpropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1742			B
16-4-0317	1-Ethylpropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1774			B



OPCW Code	Chemical Name	Schedule	Column	RI(a)	RI(b)	RI(c)	Decision
16-4-0318	3-Methylbutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1818			B
16-4-0319	Cyclopentyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1902			B
16-4-0320	1-Ethyl-2-methylpropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1825	1831		B
16-4-0321	2-Ethoxy-1-methyllethyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1829	1845		B
16-4-0322	2-Methoxy-1-methylethyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1842	1853		B
16-4-0323	Cyclopropylmethyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1872			B
16-4-0324	2-Ethoxyethyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1907			B
16-4-0325	1,2-Dimethylpropyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1811	1826		B
16-4-0326	2,2-Dimethylpropyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1809			B
16-4-0327	1-Ethylpropyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1836			B
16-4-0328	3-Methylbutyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1876			B
16-4-0329	Cyclopentyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1966			B
16-4-0330	1-Ethyl-2-methylpropyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1886	1892		B
16-4-0331	2-Ethoxy-1-methyllethyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1891	1905		B
28-4-0205	Methyl 2-diethylaminoethyl methylphosphonite	1.B.10	1	1171			A
28-4-0206	Methyl-d3 2-diethylaminoethyl methylphosphonite	1.B.10	1	1169			A
28-4-0207	Ethyl 2-diethylaminoethyl methylphosphonite	1.B.10	1	1227			A
28-4-0208	Ethyl-d5 2-diethylaminoethyl methylphosphonite	1.B.10	1	1224			A
28-4-0209	Ethyl 2-diisopropylaminoethyl methylphosphonite	1.B.10	1	1353			A
28-4-0210	Ethyl-d5 2-diisopropylaminoethyl methylphosphonite	1.B.10	1	1349			A
28-4-0211	Ethyl 2-dimethylaminoethyl ethylphosphonite	1.B.10	1	1169			A
28-4-0212	Ethyl-d5 2-dimethylaminoethyl ethylphosphonite	1.B.10	1	1165			A
28-4-0213	Methyl-d3 2-dimethylaminoethyl ethylphosphonite	1.B.10	1	1118			A
28-4-0214	Ethyl 2-diethylaminoethyl ethylphosphonite	1.B.10	1	1307			A
28-4-0215	Ethyl-d5 2-diethylaminoethyl ethylphosphonite	1.B.10	1	1303			A
28-4-0216	Ethyl 2-diisopropylaminoethyl ethylphosphonite	1.B.10	1	1436			A
28-4-0217	Ethyl-d5 2-diisopropylaminoethyl ethylphosphonite	1.B.10	1	1430			A

OPCW Code	Chemical Name	Schedule	Column	RI(a)	RI(b)	RI(c)	Decision
28-4-0218	Bis(2-diethylaminoethyl) ethylphosphonite	2.B.04	1	1718			A
28-4-0219	Methyl-d3 2-diethylaminoethyl methylphosphonate	2.B.04	1	1380			A
28-4-0220	Ethyl-d5 2-diethylaminoethyl methylphosphonate	2.B.04	1	1435			A
28-4-0221	Ethyl-d5 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1564			A
28-4-0222	Phenyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1993			B
28-4-0223	Methyl 2-dimethylaminoethyl ethylphosphonate	2.B.04	1	1309			A
28-4-0224	Methyl-d3 2-dimethylaminoethyl ethylphosphonate	2.B.04	1	1303			A
28-4-0225	Ethyl 2-dimethylaminoethyl ethylphosphonate	2.B.04	1	1361			A
28-4-0226	Ethyl-d5 2-dimethylaminoethyl ethylphosphonate	2.B.04	1	1359			A
28-4-0227	Methyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1592			A
28-4-0228	Methyl-d3 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1588			A
28-4-0229	Ethyl-d5 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1638			A
28-4-0230	Bis(2-dimethylaminoethyl) ethylphosphonate	2.B.04	1	1630			A
28-4-0231	Bis(2-diethylaminoethyl) ethylphosphonate	2.B.04	1	1925			A
28-4-0232	Bis(2-diisopropylaminoethyl) ethylphosphonate	2.B.04	1	2173			A
04-4-0371r	2-Methylcyclopentyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	1	2027	2035		A
04-4-0372r	2,6-Dimethylcyclohexyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	1	2181	2192		A
04-4-0373r	3,5-Dimethylcyclohexyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	1	2186	2197	2205	A
04-4-0377r	Pinacolyl S-2-diethylaminoethyl isopropylphosphonothiolate	1.A.03	1	1915	1926		A
04-4-0380r	Pinacolyl S-2-diethylaminoethyl propylphosphonothiolate	1.A.03	1	1944	1959		A
04-4-0389	1-Ethylpropyl N,N-dimethylphosphoramidocyanidate	1.A.02	1	1342			A
07-4-3407	Methyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1582			A
07-4-3408	Methyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1661			A

OPCW Code	Chemical Name	Schedule	Column	RI(a)	RI(b)	RI(c)	Decision
07-4-3409	Methyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1662			A
07-4-3410	Methyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1720			A
07-4-3411	Methyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	2	1706			A
07-4-3412	Methyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1776			A
07-4-3413	Ethyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1624			A
07-4-3416	Ethyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1758			A
07-4-3417	Ethyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	2	1744			A
07-4-3418	Ethyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1814			A
07-4-3419	Propyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1710			A
07-4-3420	Propyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1788			A
07-4-3421	Propyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1788			A
07-4-3422	Propyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1843			A
07-4-3423	Propyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	2	1828			A
07-4-3424	Propyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1896			A
07-4-3425	Isopropyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1631			A

OPCW Code	Chemical Name	Schedule	Column	RI(a)	RI(b)	RI(c)	Decision
07-4-3426	Isopropyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1707			A
07-4-3427	Isopropyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1706			A
07-4-3428	Isopropyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1762			A
07-4-3429	Isopropyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	2	1748			A
07-4-3430	Isopropyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1815			A
07-4-3431	Butyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1801			A
07-4-3432	Butyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1878			A
07-4-3433	Butyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1879			A
07-4-3434	Butyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1933			A
07-4-3436	Butyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1986			A
07-4-3437	sec-Butyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1721	1727		A
07-4-3438	sec-Butyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1797	1802		A
07-4-3439	sec-Butyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1797	1801		A
07-4-3440	sec-Butyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1853	1858		A
07-4-3441	sec-Butyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	2	1837	1842		A

OPCW Code	Chemical Name	Schedule	Column	RI(a)	RI(b)	RI(c)	Decision
07-4-3442	sec-Butyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1904	1909		A
07-4-3443	Isobutyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1756			A
07-4-3445	Isobutyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1832			A
07-4-3446	Isobutyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1886			A
07-4-3447	Isobutyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	2	1871			A
07-4-3448	Isobutyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1939			A
07-4-3449	Cyclohexyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	2046			A
07-4-3450	Cyclohexyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	2124			A
07-4-3451	Cyclohexyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	2124			A
07-4-3452	Cyclohexyl S-2-N-ethyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	2179			A
07-4-3453	Cyclohexyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	2	2165			A
07-4-3454	Cyclohexyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	2232			A
07-4-3455	Pinacolyl S-2-N-ethyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1840	1855		A
07-4-3456	Pinacolyl S-2-N-methyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	1916	1930		A
07-4-3457	Pinacolyl S-2-N-isopropyl-N-methylaminoethyl isopropylphosphonothiolate	1.A.03	2	1916	1931		A

OPCW Code	Chemical Name	Schedule	Column	RI(a)	RI(b)	RI(c)	Decision
07-4-3459	Pinacolyl S-2-N-ethyl-N-isopropylaminoethyl isopropylphosphonothiolate	1.A.03	2	1955	1969		A
07-4-3460	Pinacolyl S-2-N-isopropyl-N-propylaminoethyl isopropylphosphonothiolate	1.A.03	2	2019	2032		A
16-4-0332	3-Methoxypropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1856			A
16-4-0333	Cyclobutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1791			A
16-4-0334	2-Methylbutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1798			A
16-4-0335	Hexyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1938			A
16-4-0336	1-Methylbutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1751	1766		A
16-4-0338	2-Propoxyethyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1917			A
16-4-0339	3-Ethoxypropyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1916			A
16-4-0340	4-Methoxybutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1960			A
16-4-0343	3-Methylpentyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1901			A
16-4-0344	2-Methylpentyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1881			A
16-4-0345	1-Ethylbutyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1834	1841		A
16-4-0346	1-Methylpentyl 2-diisopropylaminoethyl methylphosphonate	2.B.04	1	1840	1859		A
16-4-0347	3-Methoxypropyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1923			A
16-4-0349	2-Methylbutyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1866			A
16-4-0350	Hexyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	2003			A
16-4-0352	3-Methoxybutyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1964			A
16-4-0353	2-Propoxyethyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1983			A
16-4-0354	3-Ethoxypropyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1982			A
16-4-0356	Cyclobutylmethyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1968			A
16-4-0357	4-Methylpentyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1967			A
16-4-0358	3-Methylpentyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1968			A
16-4-0359	2-Methylpentyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1946			A
16-4-0360	1-Ethylbutyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1898	1902		A
16-4-0361	1-Methylpentyl 2-diisopropylaminoethyl ethylphosphonate	2.B.04	1	1905	1922		A

OPCW Code	Chemical Name	Schedule	Column	RI(a)	RI(b)	RI(c)	Decision
28-4-0233	Methylphosphonoselenoic dichloride	2.B.04	1	980			A
28-4-0234	Methyl methylphosphonoselenochloridate	2.B.04	1	997			A
28-4-0235	Ethyl methylphosphonoselenochloridate	2.B.04	1	1072			A
28-4-0236	Ethyl-d5 methylphosphonoselenochloridate	2.B.04	1	1068			A
28-4-0237	Propyl methylphosphonoselenochloridate	2.B.04	1	1164			A
28-4-0238	Isopropyl methylphosphonoselenochloridate	2.B.04	1	1111			A
28-4-0240	Butyl methylphosphonoselenochloridate	2.B.04	1	1260			A
28-4-0241	sec-Butyl methylphosphonoselenochloridate	2.B.04	1	1200	1205		A
28-4-0242	Phenyl methylphosphonoselenochloridate	2.B.04	1	1526			A
28-4-0243	Dimethyl methylphosphonoselenoate	2.B.04	1	1015			A
28-4-0244	Bis(methyl-d3) methylphosphonoselenoate	2.B.04	1	1011			A
28-4-0245	Diethyl methylphosphonoselenoate	2.B.04	1	1144			A
28-4-0246	Bis(ethyl-d5) methylphosphonoselenoate	2.B.04	1	1138			A
28-4-0247	Dipropyl methylphosphonoselenoate	2.B.04	1	1317			A
28-4-0248	Diisopropyl methylphosphonoselenoate	2.B.04	1	1193			A
28-4-0249	Bis(isopropyl-d7) methylphosphonoselenoate	2.B.04	1	1185			A
28-4-0250	Dibutyl methylphosphonoselenoate	2.B.04	1	1501			A
28-4-0251	Bis(sec-butyl) methylphosphonoselenoate	2.B.04	1	1387	1392		A
28-4-0253	Ethyl propyl methylphosphonoselenoate	2.B.04	1	1225			A
28-4-0254	Ethyl isopropyl methylphosphonoselenoate	2.B.04	1	1170			A
28-4-0255	sec-Butyl ethyl methylphosphonoselenoate	2.B.04	1	1263	1266		A
28-4-0256	Butyl propyl methylphosphonoselenoate	2.B.04	1	1407			A
28-4-0257	sec-Butyl propyl methylphosphonoselenoate	2.B.04	1	1351	1355		A
28-4-0258	Butyl isopropyl methylphosphonoselenoate	2.B.04	1	1350			A

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