**Section 728.APPENDIX C List of Halogenated Organic Compounds** **Regulated under Section 728.132**

In determining the concentration of halogenated organic compounds (HOCs) in a hazardous waste for purposes of the Section 728.132 land disposal prohibition, USEPA has defined the HOCs that must be included in a calculation as any compounds having a carbon-halogen bond that are listed in this Appendix (see Section 728.102). This Appendix C to Part 728 consists of the following compounds:

I. Volatiles

1. Bromodichloromethane (CAS No. 75-27-4)

2. Bromomethane (CAS No. 74-83-9)

3. Carbon Tetrachloride (tetrachloromethane) (CAS No. 56-23-5)

4. Chlorobenzene (CAS No. 108-90-7)

5. 2-Chloro-1,3-butadiene (CAS No. 126-99-8)

6. Chlorodibromomethane (CAS No. 124-48-1)

7. Chloroethane (CAS No. 75-00-3)

8. 2-Chloroethyl vinyl ether ((2-chloroethoxy)ethene) (CAS No. 110-75-8)

9. Chloroform (trichloromethane) (CAS No. 67-66-3)

10. Chloromethane (CAS No. 74-87-3)

11. 3-Chloropropene (3-chloroprop-1-ene) (CAS No. 107-05-1)

12. 1,2-Dibromo-3-chloropropane (CAS No. 96-12-8)

13. 1,2-Dibromoethane (CAS No. 106-93-4)

14. Dibromomethane (CAS No. 74-95-3)

15. Trans-1,4-Dichloro-2-butene ((2E)-1,4-dichloro-2-butene) (CAS No. 110-57-6)

16. Dichlorodifluoromethane (CAS No. 75-71-8)

17. 1,1-Dichloroethane (CAS No. 75-34-3)

18. 1,2-Dichloroethane (CAS No. 107-06-2)

19. 1,1-Dichloroethylene (1,1-dichloroethene) (CAS No. 75-35-4)

20. Trans-1,2-Dichloroethene ((1E)-1,2-dichloroethene) (CAS No. 156-60-5)

21. 1,2-Dichloropropane (CAS No. 78-87-5)

22. Trans-1,3-Dichloropropene ((1E)-1,3-dichloroprop-1-ene) (CAS No. 10061-02-6)

23. cis-1,3-Dichloropropene ((1Z)-1,3-dichloroprop-1-ene) (CAS No. 10061-01-5)

24. Iodomethane (CAS No. 74-88-4)

25. Methylene chloride (dichloromethane) (CAS No. 75-09-2)

26. 1,1,1,2-Tetrachloroethane (CAS No. 630-20-6)

27. 1,1,2,2-Tetrachloroethane (CAS No. 79-34-5)

28. Tetrachloroethene (CAS No. 127-18-4)

29. Tribromomethane (CAS No. 75-25-2)

30. 1,1,1-Trichloroethane (CAS No. 71-55-6)

31. 1,1,2-Trichloroethane (CAS No. 79-00-5)

32. Trichloroethene (CAS No. 79-01-6)

33. Trichloromonofluoromethane (trichlorofluoromethane) (CAS No. 75-69-4)

34. 1,2,3-trichloropropane (CAS No. 96-18-4)

35. Vinyl Chloride (chloroethene) (CAS No. 75-01-4)

II. Semivolatiles

1. Bis(2-chloroethoxy)ethane (1,2-bis(2-chlorethoxy)ethane) (CAS No. 112-26-5)

2. Bis(2-chloroethyl) ether (1,1'-oxybis(2-chloroethane)) (CAS No. 111-44-4)

3. Bis(2-chloroisopropyl)ether (2,2'-oxybis(2-chloropropane)) (CAS No. 39638-32-9)

4. p-Chloroaniline (4-chlorobenzeneamine) (CAS No. 106-47-8)

5. Chlorobenzilate (ethyl 2,2-bis(4-chlorophenyl)-2-hydroxyacetate) (CAS No. 510-15-6)

6. p-Chloro-m-cresol (4-chloro-3-methylphenol) (CAS No. 59-50-7)

7. 2-Chloronaphthalene (CAS No. 91-58-7)

8. 2-Chlorophenol (CAS No. 95-57-8)

9. 3-Chloropropionitrile (3-chloropronanenitrile) (CAS No. 542-76-7)

10. m-Dichlorobenzene (1,3-dichlorobenzene) (CAS No. 541-73-1)

11. o-Dichlorobenzene (1,2-dichlorobenzene) (CAS No. 95-50-1)

12. p-Dichlorobenzene (1,4-dichlorobenzene) (CAS No. 106-46-7)

13. 3,3'-Dichlorobenzidine (4-(4-amino-3-chlorophenyl)-2-chloroaniline) (CAS No. 91-94-1)

14. 2,4-Dichlorophenol (CAS No. 120-83-2)

15. 2,6-Dichlorophenol (CAS No. 87-65-0)

16. Hexachlorobenzene (CAS No. 118-74-1)

17. Hexachlorobutadiene (hexachlorobuta-1,3-diene) (CAS No. 87-68-3)

18. Hexachlorocyclopentadiene (CAS No. 77-47-4)

19. Hexachloroethane (CAS No. 67-72-1)

20. Hexachlorophene (2,2'-methylenebis(3,4,6-trichlorophenol)) (CAS No. 70-30-4)

21. Hexachloropropene (CAS No. 1888-71-7)

22. 4,4'-Methylenebis(2-chloroanaline) (4-[(4-amino-3-chlorophenyl)methyl]-2-chloroaniline) (CAS No. 101-14-4)

23. Pentachlorobenzene (CAS No. 608-93-5)

24. Pentachloroethane (CAS No. 76-01-7)

25. Pentachloronitrobenzene (CAS No. 82-68-8)

26. Pentachlorophenol (CAS No. 87-86-5)

27. Pronamide (3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide) (CAS No. 23950-58-5)

28. 1,2,4,5-Tetrachlorobenzene (CAS No. 95-94-3)

29. 2,3,4,6-Tetrachlorophenol (CAS No. 58-90-2)

30. 1,2,4-Trichlorobenzene (CAS No. 120-82-1)

31. 2,4,5-Trichlorophenol (CAS No. 95-95-4)

32. 2,4,6-Trichlorophenol (CAS No. 88-06-2)

33. Tris(2,3-dibromopropyl) phosphate (CAS No. 126-72-7)

III. Organochlorine Pesticides

1. Aldrin ((1R,4S,4aS,5S,8R,8aR)-1,2,3,4,10,10-hexachloro-1,2,4a,5,8,8a-hexahydro-1,4:5,8-dimethano­naphthlene) (CAS No. 309-00-2)

2. alpha-BHC (α-1,2,3,4,5,6-hexachlorocyclohexane) (CAS No. 319-84-6)

3. beta-BHC (β-1,2,3,4,5,6-hexachlorocyclohexane) (CAS No. 319-85-7)

4. delta-BHC (δ-1,2,3,4,5,6-hexachlorocyclohexane) (CAS No. 58-89-9)

5. gamma-BHC (γ-1,2,3,4,5,6-hexachlorocyclohexane) (CAS No. 319-86-8)

6. Chlordane (1,2,4,5,6,7,8,8-octachloro-3a,4,5,5a-tetrahydro-4,7-methanoindane) (CAS No. 57-74-9)

7. DDD (1,1-bis(4-chlorophenyl)-2,2-dichloroethane) (CAS No. 72-54-8)

8. DDE (1,1-bis(4-chlorophenyl)-2,2-dichloroethene) (CAS No. 72-55-9)

9. DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane) (CAS No. 50-29-3)

10. Dieldrin ((1a*R*,2*R*,2a*S*,3*S*,6*R*,7*S*,7a*S*)-3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-dimethanonaphtho[2,3-b]oxirene) (CAS No. 60-57-1)

11. Endosulfan I ((3α,5aβ,6α,9α,9aβ)-6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine-3-oxide) (CAS No. 959-98-8)

12. Endosulfan II ((3α,5aβ,6β,9β,9aα)-6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepine-3-oxide) (CAS No. 33213-65-9)

13. Endrin (1aα,2β,2aβ,3aα,6α,6aβ,7β,7aα)-3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-dimethanonaphth(2,3-b)oxirene) (CAS No. 72-20-8)

14. Endrin aldehyde (1α,2β,2aβ,4β,4aβ,5β,6aβ,6bβ,7R\*)-2,2a,3,3,4,7-hexachlorodecahydro-1,2,4-methenocyclopenta(c,d)pentalene-5-carboxaldehyde) (CAS No. 7421-93-4)

15. Heptachlor (1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1*H*-indene) (CAS No. 76-44-8)

16. Heptachlor epoxide ((1aR,1bS,2R,5S,5aR,6S,6aR)-2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro-2,5-methano-2*H*-indeno(1,2b)oxirene) (CAS No. 1024-57-3)

17. Isodrin ((1R,4S,4aS,5R,8S,8aR)-rel-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene) (CAS No. 465-73-6)

18. Kepone (1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-1,3,4-metheno-2H-cyclobuta(cd)pentalen-2-one) (CAS No. 143-50-0)

19. Methoxychlor (1,1'-(2,2,2-trichloroethylidene)bis(4-methoxybenzene)) (CAS No. 72-43-5)

20. Toxaphene (CAS No. 8001-35-2)

IV. Phenoxyacetic Acid Herbicides

1. 2,4-Dichlorophenoxyacetic acid (CAS No. 94-75-7)

2. Silvex (2-(2,4,5-trichlorophenoxy)propionic acid) (CAS No. 93-72-1)

3. 2,4,5-T (2,4,5-trichlorophenoxyacetic acid) (CAS No. 93-76-5)

V. PCBs

1. Aroclor 1016 (CAS No. 12674-11-2)

2. Aroclor 1221 (CAS No. 11104-28-2)

3. Aroclor 1232 (CAS No. 11141-16-5)

4. Aroclor 1242 (CAS No. 53469-21-9)

5. Aroclor 1248 (CAS No. 12672-29-6)

6. Aroclor 1254 (CAS No. 11097-69-1)

7. Aroclor 1260 (CAS No. 11096-82-5)

8. PCBs not otherwise specified (CAS No. 1336-36-3)

VI. Dioxins and Furans

1. Hexachlorodibenzo-p-dioxins (CAS No. 34465-46-8)

2. Hexachlorodibenzofuran (CAS No. 55684-94-1)

3. Pentachlorodibenzo-p-dioxins (CAS No. 36088-22-9)

4. Pentachlorodibenzofuran (CAS No. 30402-15-4)

5. Tetrachlorodibenzo-p-dioxins (CAS No. 41903-57-5)

6. Tetrachlorodibenzofuran (CAS No. 30402-14-3; 55722-27-5)

7. 2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-tetrachlorodibenzo[b,e][1,4]dioxin) (CAS No. 1746-01-6)

BOARD NOTE: Derived from appendix III to 40 CFR 268 (2015).

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