Table F.1. The 16 subgroups used in the prioritization of lipophilic organic compounds in sediment (Group F) with example constituents, Chemical Abstracts Service Registry Numbers, and molecular structures.

[CASRN, Chemical Abstracts Service Registry Number; example structures from the U.S. Environmental Protection Agency Aggregated Computational Toxicology Resource (ACToR, http://actor.epa.gov) database and Environment Canada and Health Canada (2009e)]

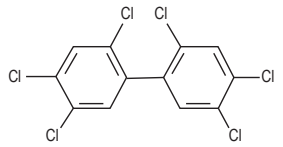
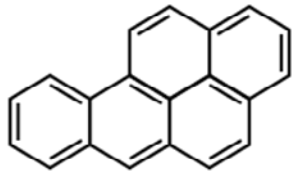
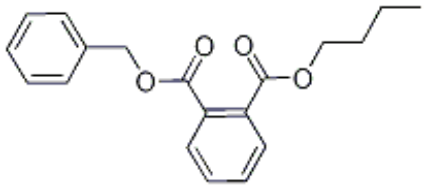
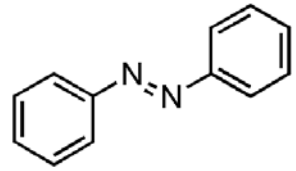
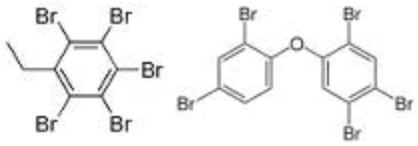
Subgroup	Subgroup name	Number of constituents[1]	Example constituents (abbreviation or other name)	CASRN[2]	Example structures
F-1	Polychlorinated biphenyls (PCBs)	64	PCB 153 {2,2',4,4',5,5'-Hexachlorobiphenyl}	35065–27–1	
F-2	Polycyclic aromatic hydrocarbons (PAHs)	70	Benzo[*a*]pyrene	50–32–8	
F-3	Phthalates	27	Butylbenzyl phthalate {BBP}	85–68–7	
F-4	Azo dyes	142	Azobenzene	103–33–3	
F-5	Brominated flame retardants	53	Pentabromoethylbenzene; BDE 99 {2,2',4,4',5-Pentabromodiphenyl ether}	85–22–3; 60348–60–9	

Table F.1. The 16 subgroups used in the prioritization of lipophilic organic compounds in sediment (Group F) with example constituents, Chemical Abstracts Service Registry Numbers, and molecular structures.—Continued

[CASRN, Chemical Abstracts Service Registry Number; example structures from the U.S. Environmental Protection Agency Aggregated Computational Toxicology Resource (ACToR, http://actor.epa.gov) database and Environment Canada and Health Canada (2009e)]

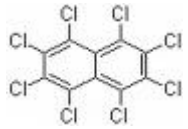
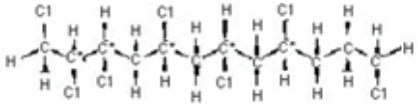
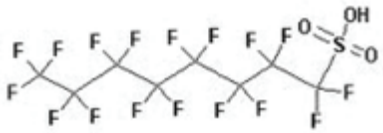
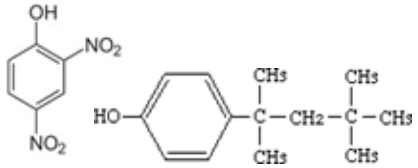
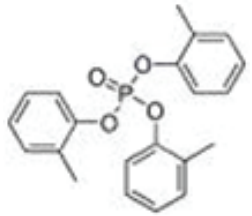
Subgroup	Subgroup name	Number of constituents[1]	Example constituents (abbreviation or other name)	CASRN[2]	Example structures
F-6	Chlorinated naphthalenes	17	Octachloronaphthalene	2234–13–1	
F-7	Chlorinated paraffins	4	Chlorinated paraffins (C12 average chain length; approximately 60 percent chlorine by weight)	108171–26–2	
F-8	Perfluorinated compounds	24	Perfluorooctane sulfonic acid {PFOS}	1763–23–1	
F-9	Alkylphenols, alkylphenol ethoxylates, and other phenols	51	2,4-Dinitrophenol; 4-*tert*-Octylphenols (branched)	51–28–5; 140-66-9	
F-10	Organophosphorous compounds	22	Tri-*o*-tolyl phosphate	78–30–8	

Table F.1. The 16 subgroups used in the prioritization of lipophilic organic compounds in sediment (Group F) with example constituents, Chemical Abstracts Service Registry Numbers, and molecular structures.—Continued

[CASRN, Chemical Abstracts Service Registry Number; example structures from the U.S. Environmental Protection Agency Aggregated Computational Toxicology Resource (ACToR, http://actor.epa.gov) database and Environment Canada and Health Canada (2009e)]

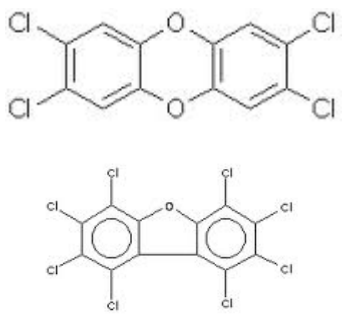
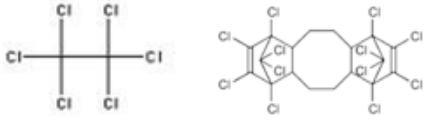
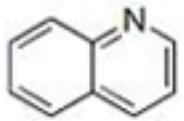
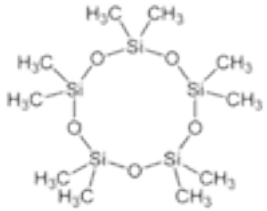
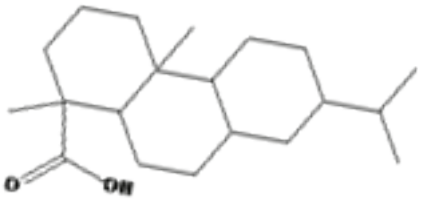
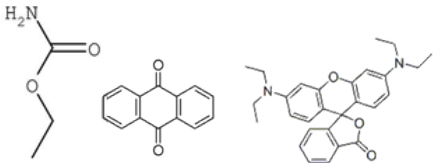
Subgroup	Subgroup name	Number of constituents[1]	Example constituents (abbreviation or other name)	CASRN[2]	Example structures
F-11	Halogenated dioxins and furans	31	2,3,7,8-Tetrachlorodibenzo-*p*-dioxin {TCDD}; 1,2,3,4,6,7,8,9-Octachlorodibenzofuran {OCDF}	1746–01–6; 39001–02–0	
F-12	Other organohalogens	47	Hexachloroethane; Dodecachlorododecahydrodimethanodibenzocyclo-octene {Dechlorane plus}	67–72–1; 13560–89–9	
F-13	Azaarenes	10	Quinoline	91–22–5	
F-14	Siloxanes	18	Decamethylcyclopentasiloxane	541–02–6	

Table F.1. The 16 subgroups used in the prioritization of lipophilic organic compounds in sediment (Group F) with example constituents, Chemical Abstracts Service Registry Numbers, and molecular structures.—Continued

[CASRN, Chemical Abstracts Service Registry Number; example structures from the U.S. Environmental Protection Agency Aggregated Computational Toxicology Resource (ACToR, http://actor.epa.gov) database and Environment Canada and Health Canada (2009e)]

Subgroup	Subgroup name	Number of constituents[1]	Example constituents (abbreviation or other name)	CASRN[2]	Example structures
F-15	Resin and rosin acids	8	Hydrogenated rosin (representative structure shown)	65997–06–0	
F-16	Miscellaneous compounds	111	Urethane; Anthraquinone; C.I. Solvent Red 49	51–79–6; 84–65–1; 509–34–2	
	Total	**699**			

[1]Some constituents are mixtures.

[2]This report contains Chemical Abstracts Service Registry Numbers (CASRN)®, which is a registered trademark of the American Chemical Society. The CASRN online database provides the latest registry number information: http://www.cas.org/. Chemical Abstracts Service recommends the verification of the CASRNs through CAS Client Services℠.