

**OAR 333-016-2035**
**Exhibit A: Projected PQLs for the 83 high priority chemicals of concern in children's products**

Chemical		CAS	PQL (ppm)	Method
1	Formaldehyde	50-00-0	5.0	Total Extraction/EPA 8315 or 8270
2	Aniline	62-53-3	1.0	Total Extraction/EPA 8270
3	N-Nitrosodimethylamine	62-75-9	1.0	Total Extraction/EPA 8270
4	Benzene	71-43-2	1.0	Total Extraction/EPA 8260
5	Vinyl chloride	75-01-4	0.5	Total Extraction/EPA 8260
6	Acetaldehyde	75-07-0	1.0	Total Extraction/EPA 8315
7	Methylene chloride	75-09-2	1.0	Total Extraction/EPA 8260
8	Carbon disulfide	75-15-0	1.0	Total Extraction/EPA 8260
9	Methyl ethyl ketone	78-93-3	1.0	Total Extraction/EPA 8260
10	1,1,2,2-Tetrachloroethane	79-34-5	1.0	Total Extraction/EPA 8260
11	Tetrabromobisphenol A (TBBPA)	79-94-7	50.0	Total Extraction/EPA 1694
12	Bisphenol A (BPA)	80-05-7	1.0	Total Extraction/EPA 1694
13	Bisphenol S (BPS)	80-09-1	1.0	Total Extraction/EPA 1694
14	Dicyclohexyl phthalate (DCHP)	84-61-7	25.0	CPSC-CH-C1001-09.3
15	Diethyl phthalate (DEP)	84-66-2	25.0	CPSC-CH-C1001-09.3
16	Diisobutyl phthalate (DIBP)	84-69-5	25.0	CPSC-CH-C1001-09.3
17	Di-n-butyl phthalate (DBP)	84-74-2	25.0	CPSC-CH-C1001-09.3
18	Di-n-hexyl phthalate (DnHP)	84-75-3	25.0	CPSC-CH-C1001-09.3
19	Butyl benzyl phthalate (BBP)	85-68-7	25.0	CPSC-CH-C1001-09.3
20	N-Nitrosodiphenylamine	86-30-6	1.0	Total Extraction/EPA 8270
21	Hexachlorobutadiene (HCBD)	87-68-3	5.0	Total Extraction/EPA 8260
22	Propyl paraben	94-13-3	5.0	Total Extraction/EPA 8321
23	Butyl paraben	94-26-8	5.0	Total Extraction/EPA 8321
24	2-Aminotoluene	95-53-4	1.0	Total Extraction/EPA 8270
25	2,4-Diaminotoluene	95-80-7	1.0	Total Extraction/EPA 8270
26	Methyl paraben	99-76-3	5.0	Total Extraction/EPA 8321
27	4-Hydroxybenzoic acid	99-96-7	5.0	Total Extraction/HPLC <sup>i</sup>
28	Ethylbenzene	100-41-4	1.0	Total Extraction/EPA 8260
29	Styrene	100-42-5	1.0	Total Extraction/EPA 8260
30	4-Nonylphenol; 4-NP and its isomer mixtures including CAS 84852-15-3 and CAS 25154-52-3	104-40-5	10.0	Total Extraction/ EPA 8270/GC-MS <sup>i</sup>
31	4-Chloroaniline	106-47-8	1.0	Total Extraction/EPA 8270
32	Acrylonitrile	107-13-1	1.0	Total Extraction/EPA 8260
33	Ethylene glycol	107-21-1	40.0	Total Extraction/EPA 8015
34	Toluene	108-88-3	0.5	Total Extraction/EPA 8260

Chemical		CAS	PQL (ppm)	Method
35	Phenol	108-95-2	1.0	Total Extraction/EPA 8270
36	2-Methoxyethanol	109-86-4	10.0	Total Extraction/EPA 8015
37	Ethylene glycol monoethyl ether	110-80-5	10.0	Total Extraction/EPA 8015
38	Triphenyl phosphate (TPP)	115-86-6	50.0	Total Extraction/EPA 8270
39	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	50.0	Total Extraction/EPA 8270
40	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	25.0	CPSC-CH-C1001-09.3
41	Di-(2-methoxyethyl) phthalate (DMEP)	117-82-8	25.0	CPSC-CH-C1001-09.3
42	Di-n-octyl phthalate (DnOP)	117-84-0	25.0	CPSC-CH-C1001-09.3
43	Hexachlorobenzene	118-74-1	1.0	Total Extraction/EPA 8270
44	3,3'-Dimethylbenzidine and Dyes Metabolized to same	119-93-7	1.0	Total Extraction/EPA 8270
45	Ethyl paraben	120-47-8	5.0	Total Extraction/EPA 8321
46	1,4-Dioxane	123-91-1	20.0	Total Extraction/EPA 8260
47	Tris (2,3-dibromopropyl) phosphate (TDBPP)	126-72-7	50.0	Total Extraction/ EPA 8270
48	Tri-n-butyl phosphate (TNBP)	126-73-8	50.0	Total Extraction/ EPA 8270
49	Tetrachloroethene	127-18-4	0.5	Total Extraction/EPA 8260
50	Dipentyl phthalate (131-18-0) (DPP)	131-18-0	50.0	CPSC-CH-C1001-09.3
51	Benzophenone-2 (Bp-2)	131-55-5	5.0	Total Extraction/ GC-FID <sup>i</sup>
52	4-tert-Octylphenol	140-66-9	10.0	Total Extraction/ GC-MS <sup>i</sup>
53	Estragole	140-67-0	10.0	Total Extraction/ GC-MS <sup>i</sup>
54	2-Ethylhexanoic Acid	149-57-5	5.0	Total Extraction/ GC-MS <sup>i</sup>
55	Perfluorooctanoic acid and related substances (PFOA)	335-67-1	0.001	Total Extraction/ LC-MS/MS <sup>i</sup>
56	Pentachlorobenzene	608-93-5	1.0	Total Extraction/EPA 8270
57	Bisphenol F (BPF)	620-92-8	1.0	Total Extraction/ EPA 1694
58	C.I. Solvent Yellow 14	842-07-9	1.0	Total Extraction/ LC-M/MS <sup>i</sup>
59	N-Methylpyrrolidone	872-50-4	1.0	Total Extraction/ 8015/8270
60	Tricresyl phosphate (TCP)	1330-78-5	50.0	Total Extraction/ GC-MS <sup>i</sup>
61	Decabromodiphenyl ether (BDE-209)	1163-19-5	10.0	Total Extraction/ 8270
62	Ethylhexyl diphenyl phosphate (EHDPP)	1241-94-7	50.0	Total Extraction/ GC-MS <sup>i</sup>
63	Perfluorooctane sulfonic acid and its salts; (PFOS)	1763-23-1	0.001	Total Extraction/ LC-M/MS <sup>i</sup>
64	4-Octylphenol	1806-26-4	10.0	Total Extraction/ GC-MS <sup>i</sup>
65	2-Ethyl-hexyl-4-methoxycinnamate	5466-77-3	5.0	Total Extraction/ HPLC
66	Mercury & mercury compounds	7439-97-6	0.5	Total Digestion/ EPA <sup>ii</sup>
67	Antimony & Antimony compounds	7440-36-0	1.0	Total Digestion (EPA 3052)/ EPA 6020 <sup>iii</sup>
68	Arsenic & Arsenic compounds including arsenic trioxide (1327-53-3) and dimethyl arsenic (75-60-5)	7440-38-2	1.0	Total Digestion (EPA 3052)/ EPA 6020 <sup>ii</sup>

	Chemical	CAS	PQL (ppm)	Method
69	Cadmium & cadmium compounds	7440-43-9	1.0	Total Digestion (EPA 3052)/ EPA 6020 <sup>ii</sup>
70	Cobalt & Cobalt compounds	7440-48-4	1.0	Total Digestion (EPA 3052)/ EPA 6020 <sup>ii</sup>
71	Tris(1-chloro-2-propyl) phosphate (TCPP)	13674-84-5	50.0	Total Extraction/ EPA 8270
72	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	13674-87-8	50.0	Total Extraction/ EPA 8270
73	Butylated hydroxyanisole (BHA)	25013-16-5	10.0	Total Extraction/ GC-MS <sup>i</sup>
74	Hexabromocyclododecane (HBCD)	25637-99-4	50.0	Total Extraction/ EPA 1694
75	Bis (2-ethylhexyl) tetrabromophthalate (TBPH)	26040-51-7	50.0	Total Extraction/ EPA 8270
76	Diisodecyl phthalate (DIDP)	26761-40-0	25.0	CPSC-CH-C1001-09.3
77	Diisononyl phthalate (unbranched) (DINP)	28553-12-0	25.0	CPSC-CH-C1001-09.3
78	Bis(chloromethyl)propane-1,3-diyl tetrakis- (2-chloroethyl) bis(phosphate) (V6)	38051-10-4	50.0	Total Extraction/ EPA 1694
79	Isopropylated triphenyl phosphate (IPTPP)	68937-41-7	50.0	Total Extraction/ GC-MS <sup>i</sup>
80	Decabromodiphenyl ethane (DBDPE)	84852-53-9	50.0	CPSC-CH-C1001-09.3
81	Short-chain chlorinated paraffins (SCCP)	85535-84-8	50.0	Total Extraction/ GC-MS <sup>i</sup>
82	Chlorinated paraffins	108171-26-2	50.0	Total Extraction/ GC-MS <sup>i</sup>
83	2-ethylhexyl-2,3,4,5-tetrabromobenzoate (TBB)	183658-27-7	50.0	Total Extraction/ EPA 8270

<sup>i</sup> Washington Department of Ecology has determined the instrumentation used for some applications may not be applicable to all product matrices.

HPLC = high performance liquid chromatography

GC-FID = gas chromatography-flame ionization detector

GC-MS = gas chromatography-mass spectrometry

LC-MS/MS = liquid chromatography tandem-mass spectrometry

<sup>ii</sup> EPA = SW-846 general method 6020 or appropriate SW-846 7000 metal specific analysis, <https://www.epa.gov/hw-sw846>

<sup>iii</sup> Hydrofluoric acid only needed with a glass matrix