

Practical Quantitation Limits (PQL)

Chemicals of High Concern to Children | April 2026

Introduction

Chemicals that are intentionally added to a product, usually to serve a specific function, must be reported when present above PQL for that chemical.

PQL means the lowest concentration that can be reliably measured within specified limits of precision, accuracy, representativeness, completeness, and comparability during routine laboratory operating conditions.

The table presented below shows the PQL for each Chemical of High Concern. It also lists some regional labs that may offer testing for each chemical in consumer products.

If you need help accessing or understanding this information, contact ChemicalDisclosure@vermont.gov.

Table of PQLs

PQLs for Chemicals of High Concern to Children

See the [Laboratory Key](#) below this table to see which lab each number in the Laboratory column references.

CAS	Chemical	PQL (ppm)	Laboratory
50-00-0	Formaldehyde	5.0	1, 6
62-53-3	Aniline	1.0	2, 5, 6
62-75-9	N-Nitrosodimethylamine	1.0	1, 2, 5, 6
71-43-2	Benzene	1.0	1, 2, 5, 6
75-01-4	Vinyl chloride	1.0	1, 2, 5, 6
75-07-0	Acetaldehyde	1.0	6
75-09-2	Methylene chloride	1.0	1, 2, 5, 6, 7
75-15-0	Carbon disulfide	10.0	1, 2, 5, 6
78-93-3	Methyl ethyl ketone	1.0	1, 2, 5, 6
79-34-5	1,1,2,2-Tetrachloroethane	1.0	1, 2, 5, 6, 7
79-94-7	Tetrabromobisphenol A	20.0	
80-05-7	Bisphenol A	20.0	

CAS	Chemical	PQL (ppm)	Laboratory
80-09-1	Bisphenol S	1.0	
84-61-7	Dicyclohexyl phthalate (DCHP)	25.0	
84-66-2	Diethyl phthalate	5.0	1, 2, 3, 4, 5, 6
84-69-5	Diisobutyl phthalate (DIBP)	25.0	
84-74-2	Dibutyl phthalate	5.0	1, 2, 3, 4, 5, 6, 7
84-75-3	Di-n-hexyl Phthalate	5.0	2, 3, 4, 6
85-44-9	Phthalic anhydride	100.0	
85-68-7	Butyl benzyl phthalate (BBP)	5.0	1, 3, 4, 5, 6
86-30-6	N-Nitrosodiphenylamine	1.0	1, 5, 6, 7
87-68-3	Hexachlorobutadiene	30.0	1, 2, 5, 6, 7
94-13-3	Propyl paraben	30.0	
94-26-8	Butyl paraben	30.0	
95-53-4	2-Aminotoluene	1.0	
95-80-7	2,4-Diaminotoluene	10.0	
99-76-3	Methyl paraben	30.0	
99-96-7	p-Hydroxybenzoic acid	10.0	
100-41-4	Ethylbenzene	1.0	1, 2, 5, 6
100-42-5	Styrene	1.0	1, 2, 5, 6
104-40-5	4-Nonylphenol; 4-NP and its isomer mixtures including CAS 84852-15-3 and CAS 25154-52-3	10.0	
106-47-8	para-Chloroaniline	60.0	2, 5, 6
107-13-1	Acrylonitrile	1.0	2, 6
107-21-1	Ethylene glycol	5.0	1, 6
108-88-3	Toluene	1.0	1, 2, 5, 6
108-95-2	Phenol	60.0	1, 2, 5, 6
109-86-4	2-Methoxyethanol	10.0	
110-80-5	Ethylene glycol monoethyl ether	10.0	
115-86-6	Triphenyl phosphate	50.0	
115-96-8	Tris(2-chloroethyl) phosphate	50.0	

CAS	Chemical	PQL (ppm)	Laboratory
117-81-7	Di-2-ethylhexyl phthalate	20.0	1, 2, 5, 6
117-82-8	Di-(2-methoxyethyl) phthalate	25.0	
117-84-0	Di-n-octyl phthalate (DnOP)	5.0	1, 3, 4, 5
118-74-1	Hexachlorobenzene	30.0	1, 2, 5, 6, 7
119-93-7	3,3'-Dimethylbenzidine and Dyes Metabolized to 3,3'-Dimethylbenzidine	10.0	6
120-47-8	Ethyl paraben	30.0	
123-91-1	1,4-Dioxane	1.0	1, 2, 5, 6, 7
126-72-7	Tris (2,3-dibromopropyl) phosphate	50.0	
126-73-8	Tri-n-butyl phosphate	50.0	
127-18-4	Perchloroethylene	0.5	2, 5, 6
131-18-0	Dipentyl phthalate	50.0	
131-55-5	Benzophenone-2 (Bp-2); 2,2',4,4'-Tetrahydroxybenzophenone	20.0	5
140-66-9	4-tert-Octylphenol; 1,1,3,3-Tetramethyl-4-butylphenol	10.0	
140-67-0	Estragole	10.0	
149-57-5	2-Ethylhexanoic Acid	10.0	
335-67-1	Perfluorooctanoic acid	0.001	6, 7
355-46-4	Perfluorohexane sulfonic acid <i>*effective July 1 2022</i>	0.001	6, 7
375-85-9	Perfluoroheptanoic acid <i>*effective July 1 2022</i>	0.001	6, 7
375-95-1	Perfluorononanoic acid <i>*effective July 1 2022</i>	0.001	6, 7
556-67-2	Octamethylcyclotetrasiloxane	10.0	
608-93-5	Benzene, pentachloro	1.0	6
620-92-8	Bisphenol F	1.0	
842-07-9	C.I. Solvent Yellow 14	1.0	
872-50-4	N-Methylpyrrolidone	50.0	
1163-19-5	2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether; BDE-209	10.0	3
1241-94-7	Ethylhexyl diphenyl phosphate	50.0	
1330-78-5	Tricresyl phosphate	50.0	
1763-23-1	Perfluorooctanyl sulphonic acid and its salts; PFOS	1.0	1, 6, 7

CAS	Chemical	PQL (ppm)	Laboratory
1806-26-4	Phenol, 4-octyl-	10.0	
5466-77-3	2-Ethyl-hexyl-4-methoxycinnamate	5.0	
7439-92-1	Lead & lead compounds	1.0	1, 6
7439-97-6	Mercury & mercury compounds including methyl mercury (22967-92-6)	0.5	1, 2, 3, 4, 5, 6
7439-98-7	Molybdenum & molybdenum compounds	1.0	1, 2, 3, 4, 5, 6, 7
7440-36-0	Antimony & Antimony compounds	1.0	1, 2, 3, 4, 5, 6
7440-38-2	Arsenic & Arsenic compounds including arsenic trioxide (1327-53-3) & dimethyl arsenic (75-60-5)	1.0	1, 2, 3, 4, 5, 6
7440-43-9	Cadmium & cadmium compounds	1.0	1, 2, 3, 4, 5, 6, 7
7440-48-4	Cobalt & cobalt compounds	1.0	1, 2, 3, 4, 5, 6
13674-84-5	Tris(1-chloro-2-propyl) phosphate	50.0	
13674-87-8	Tris(1,3-dichloro-2-propyl)phosphate	50.0	
25013-16-5	Butylated hydroxyanisole; BHA	10.0	
25637-99-4	Hexabromocyclododecane	10.0	
26040-51-7	Bis (2-ethylhexyl) tetrabromophthalate	50.0	
26761-40-0	Diisodecyl phthalate (DIDP)	50.0	3, 4
28553-12-0	Diisononyl phthalate (DINP)	50.0	
38051-10-4	Bis(chloromethyl)propane-1,3-diyl tetrakis-(2-chloroethyl) bis(phosphate)	50.0	
68937-41-7	Isopropylated triphenyl phosphate	50.0	
84852-53-9	Decabromodiphenyl ethane	50.0	
85535-84-8	Short-chain chlorinated paraffins; Chlorinated paraffins	50.0	
183658-27-7	2-ethylhexyl-2,3,4,5-tetrabromobenzoate	50.0	

Laboratory Key

Number	Laboratory name
1	Adirondack Environmental Services - NELAC
2	ChemServe - NELAC
3	ChemServe - A2LA
4	ChemServe - CPSC
5	Complete Environmental Testing - NELAC
6	Eurofins Laboratories, Lancaster PA- A2LA/NELAC
7	Eurofins Environment Testing New England, North Kingstown RI- A2LA/NELAC

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