



Pollution in People



PARTICIPANT PROFILE: Allyson Schrier

Place of residence: Fall City, Washington

Birthplace: New Rochelle, New York

Lived in Washington since: 1991

Occupation: children's book author, mother

Age: 46

Known specific exposures to toxic chemicals: former residence near plastics and other factories; exposure to foam carpet padding during renovation

Special diet: none

Estimated proportion of diet organic: 90%

Home pesticide use: yes

Allyson Schrier's Chemical Profile

* 30 chemicals detected

* level of metabolite of DBP, a phthalate used in personal-care products, greater than 90% of U.S. population on average

Chemical Class	Found In	Potential Health Effects	Found in Participant (Yes)	Found in Participant (No)
Phthalates (plasticizers and fragrance carriers)	PVC (vinyl) flooring, toys, shower curtains, personal-care products	harm to reproductive development	✓	
PBDEs (toxic flame retardants)	televisions, mattresses, furniture	learning deficits, hormone disruption	✓	
Lead	PVC (vinyl), drinking water, paint & dust in older homes, hobby products	learning deficits		✓
Mercury	thermostats, fluorescent light bulbs	learning deficits	✓	
Arsenic	treated wood, herbicides, contaminated soil	cancer		✓
PFCs ("Teflon chemicals")	coated food packaging such as for french fry boxes; stain-protection treatments for carpeting and clothing	cancer, organ damage, reproductive effects	✓	
Pesticides	weed and pest sprays for farming and home and garden	cancer, nervous system harm, developmental effects, potential acute effects	✓	
DDT (pesticide)/PCBs (industrial coolant); banned but persistent toxic chemicals	present in many food sources, especially animal and fish fats	nervous system harm, hormone disruption, learning deficits,	✓	