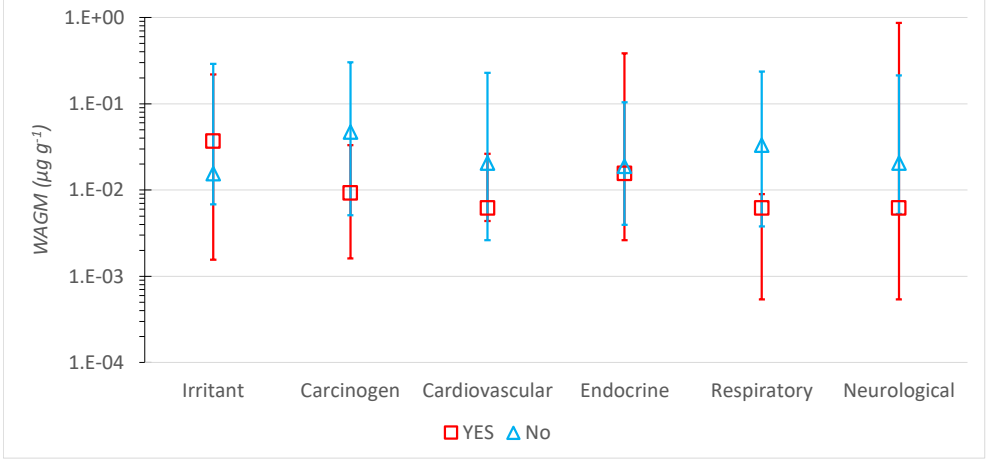
Table SX: *p-values* obtained from Wilcoxon two-sided rank sum tests, testing the hypothesis that two independent samples (i.e. concentrations of chemicals that scored in one of the five health endpoints against concentrations of the chemicals that did not score in that health endpoint), come from distributions with equal medians.

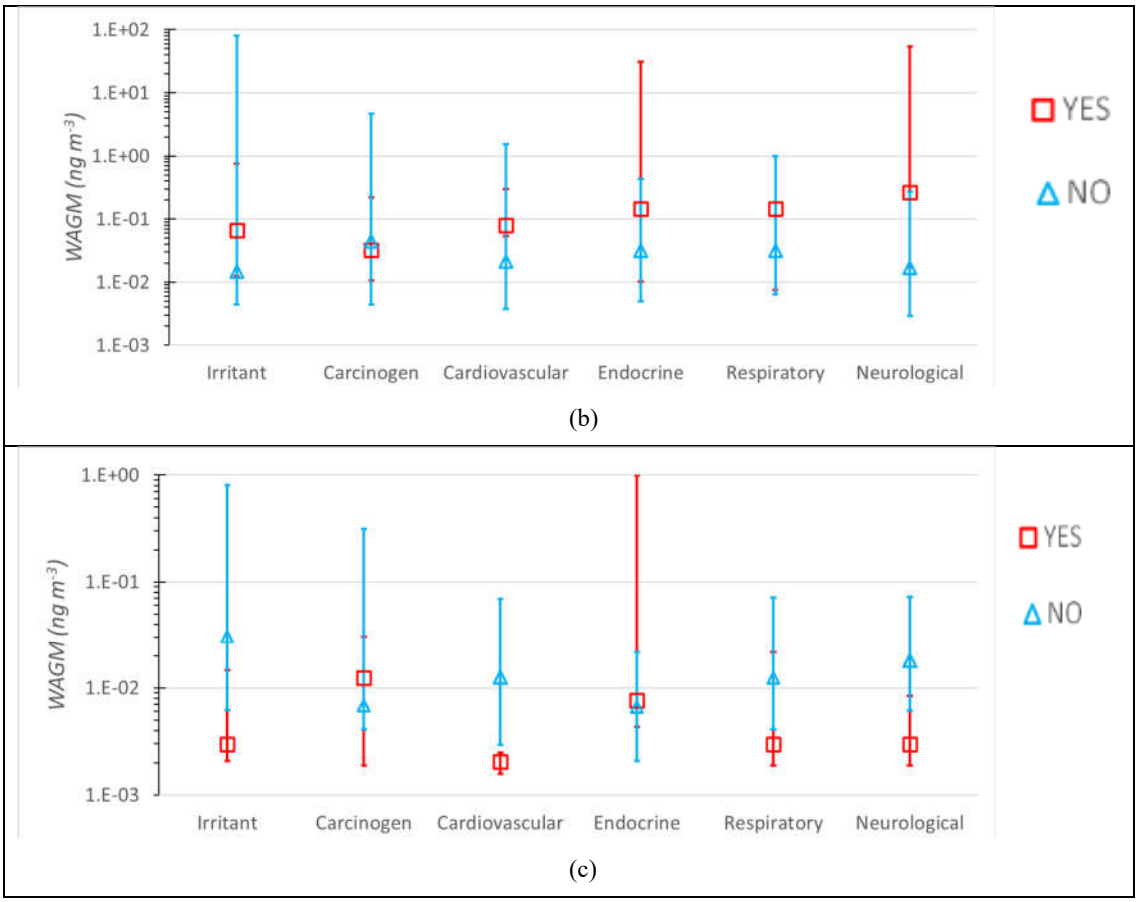
	Dust	**Air**	**Aerosol**
Irritant	0.65	0.91	0.40
Carcinogenic	0.06	0.78	0.40
Cardiovascular	0.54	0.73	0.18
Endocrine	0.71	0.41	0.15
Respiratory	0.07	0.91	0.40
Neurological	0.65	0.17	0.12

As Wilcoxon rank-sum tests showed that all differences are statistically non-significant (*p-value*>0.05 for all cases) these results should be treated with caution: this database is highly heterogeneous including concentrations from different countries, climatological conditions and ventilation scenarios; therefore, the high dispersion within each category (shown by error bars in figures below) does not allow for safe conclusions to be drawn. Research using a more homogeneous database would be required.

Concentrations of individual SVOCs that are associated (category YES) or not associated (category NO) with each of the six health endpoints for the dust (a), air (b) and aerosol (c) phase. Symbols (squares, triangles) represent median WAGMs and error bars the interquartile range for each category. Note that vertical axis is represented in a logarithmic scale.



(a)


1.E+02
1.E+01
1.E+00
1.E-01
1.E-02
1.E-03
WAGM (ng m-3)
Irritant
Carcinogen
Cardiovascular
Endocrine
Respiratory
Neurological
YES
NO

(b)

1.E+00
1.E-01
1.E-02
1.E-03
WAGM (ng m-3)
Irritant
Carcinogen
Cardiovascular
Endocrine
Respiratory
Neurological
YES
NO

(c)