

Supplemental data. Manuscript ID UIHT-2016-0021.R1.

Table S1. Spearman Correlation of cell metabolic activity (CMA), nitric oxide (NO) and tumor necrosis factor (TNF) α values between two subsequent sampling campaigns with Settled Dust Box –sampler (N = 12).

Dose	CMA	NO	TNFα
1:16	0.325	0.035	-0.182
1:8	0.063	-0.252	0.056
1:4	0.149	-0.580*	< 0.001
1:2	-0.092	-0.112	-0.308

*) Statistically significant correlation

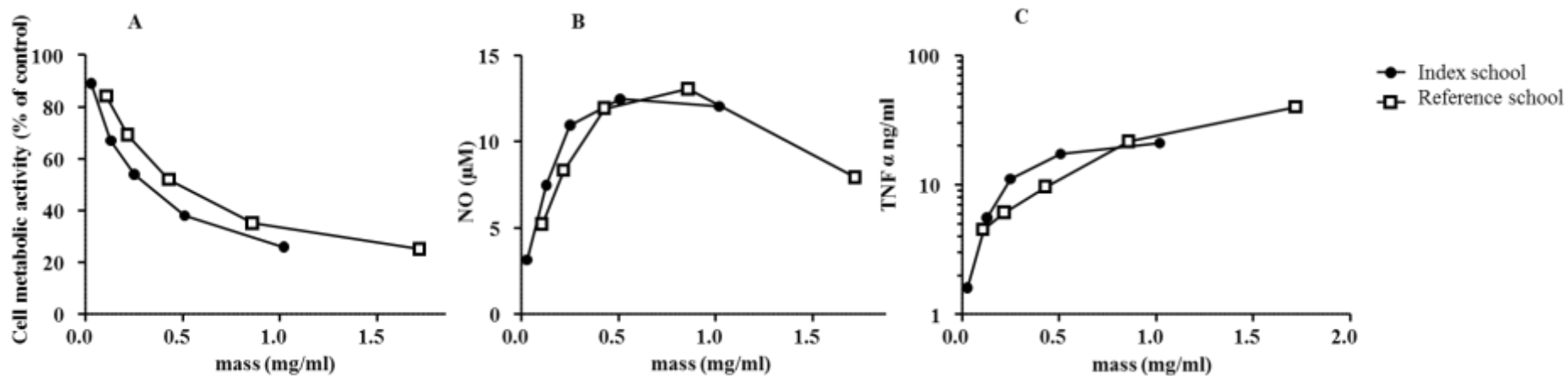


Figure S1. SDB Sampler, sample collection for two weeks: Average A) Cell metabolic activity, B) NO production and C) TNF α production of mouse RAW264.7 macrophages after 24 hour exposure related to total particle mass/ml in the samples from index school and reference school (N=12, at the lowest dose N=6).

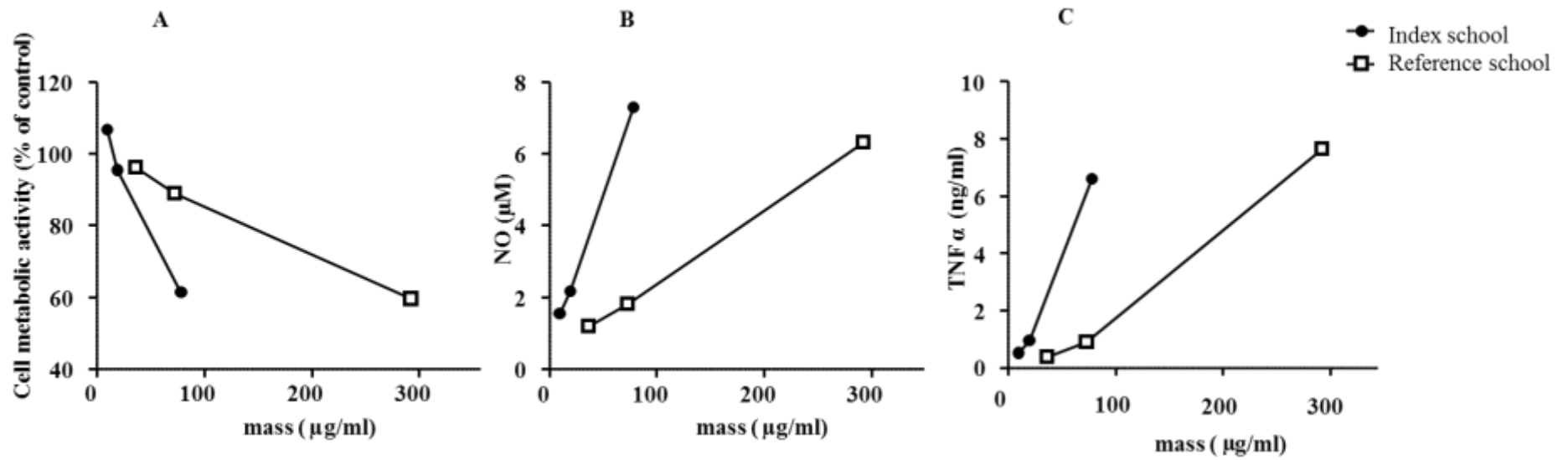


Figure S2. Button Sampler, sample collection for 35 hours: Average A) Cell metabolic activity, B) NO production and C) TNF α production of mouse RAW264.7 macrophages after 24 hour exposure related to total particle mass/ml in the samples from index school and reference school (N=3).

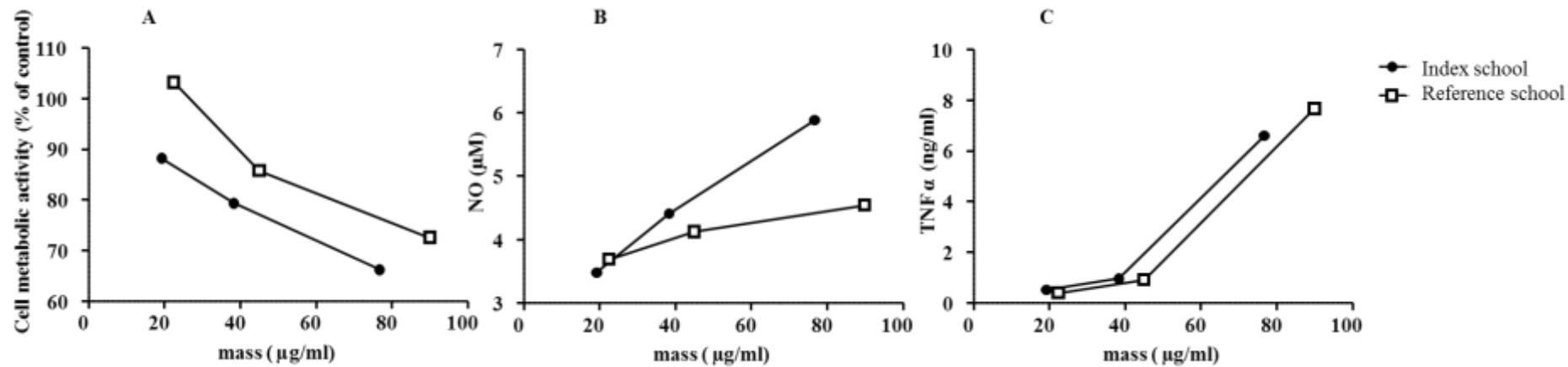


Figure S3. Harvard Impactor ($PM_{2.5}$), sample collection for 74 hours: Average A) Cell metabolic activity, B) NO production and C) $TNF\alpha$ production of mouse RAW264.7 macrophages after 24 hour exposure related to total particle mass/ml in the samples from index school and reference school (N=3).

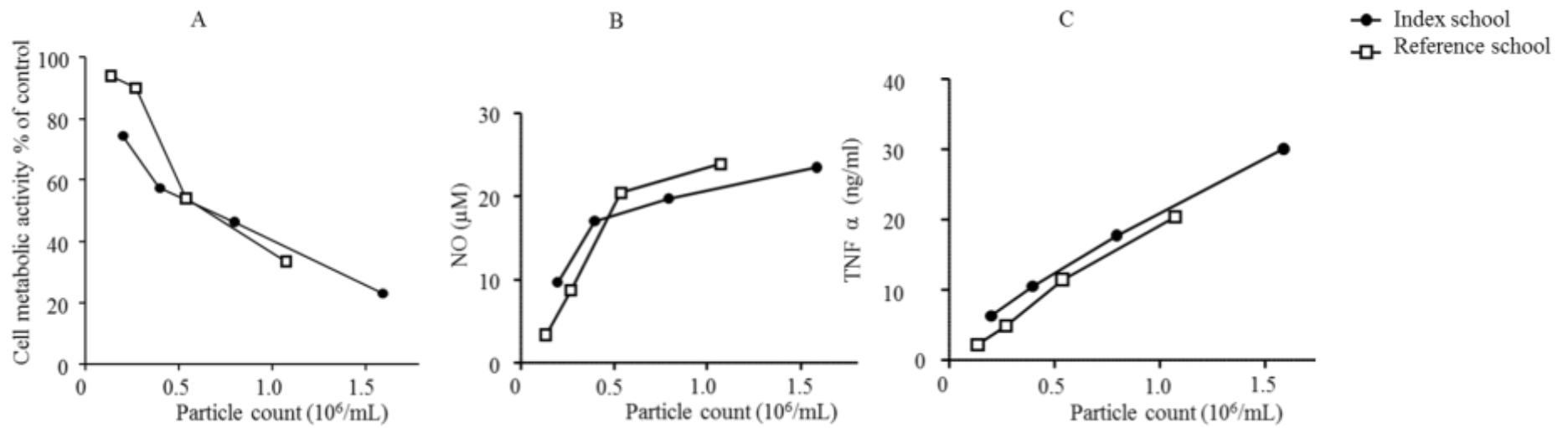


Figure S4. NIOSH Sampler, Stage 1 ($> 1.9 \mu\text{m}$ particles), sample collection for 66 hours: Average A) Cell metabolic activity (CMA), B) NO production and C) TNF α production of mouse RAW264.7 macrophages after 24 hour exposure related to total number of particles in the samples from index school and reference school (N=2).