

Test of PAH particles on firemen equipment

Test 1		
Berga Fire station, Helsingborg, 5th February 2014, PAH content in dishwater samples when washing complete SCBA, report reg.no TR3316		
	Before wash	After wash
PAH, sum 16*	<0.40 µg/L ⇔ <43 µg in wash tank	6.1 µg/L ⇔ 659 µg in wash tank
PAH, sum carcinogenic**	<0.18 µg/L ⇔ <19 µg in wash tank	0.61 µg/L ⇔ 66 µg in wash tank

Comment: Equipment used during 1 hour practice in fire created with wooden pallets, rape seed oil, straw and diesel.

Test 2		
Ystad Fire station, 12th May 2014, PAH content in dishwater samples when washing face mask, report reg.no TR3337		
	Washing manually by hand	Washing with Solo Rescue
PAH, sum carcinogenic**	5 µg removed	48 µg removed

Comment: No more or insignificant amount of PAH is removed when washing more than once.

Test 3		
GRANULDISK, Malmö, 15th August 2013, PAH concentration on wipe samples when washing steel air cylinders, report reg.no TR3187		
	Before wash	After wash
PAH, sum 16*	1,6 µg/m ²	0,3 µg/m ²
PAH, sum carcinogenic**	1,5 µg/m ²	Below detection level

*"PAH sum 16" consists of naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(ah)anthracene, benzo(ghi)perylene indeno(123cd)pyrene

** "PAH carcinogenic" consists of benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(ah)anthracene indeno(123cd)pyrene



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