



1 Urinary Mercapturic Acids to Assess the Exposure to 2 Benzene and Other Volatile Organic Compounds in 3 Coke Oven Workers

4 **Table S1.** Median, 5th and 95th percentile for the levels of mercapturic acids in subjects' urine samples,
5 expressed as µg/L, after grouping by controls and workers. For each compound, the limit of
6 quantitation (LOQ) is also reported, along with the percentage of quantified samples. Finally,
7 P-value of the student's T-test performed on log₁₀ transformed values is reported to evaluate
8 differences between the two groups.

	LOQ (µg/L)	Statistics	Controls (n=49) (µg/L)	Workers (n=49) (µg/L)	T-test on log ₁₀ transformed data P-value
2-HPMA	0.5	Median	5.5	8.9	0.13
		5 th - 95 th	1.4 - 27.2	1.5 - 19.6	
		%>LOQ	100	100	
3-HPMA	0.2	Median	317.6	440.2	0.283
		5 th - 95 th	116.8 - 2109.0	35.1 - 1505.9	
		%>LOQ	100	100	
AAMA	3.2	Median	35.7	54.6	0.151
		5 th - 95 th	13.8 - 212.8	11.8 - 204.8	
		%>LOQ	100	100	
AMCC	2	Median	174	208	0.081
		5 th - 95 th	53 - 445	64 - 520	
		%>LOQ	100	100	
CEMA	0.9	Median	2.3	6.6	<0.001
		5 th - 95 th	<LOQ - 19.0	1.7 - 20.9	
		%>LOQ	88	98	
CMEMA	2	Median	483	531	0.82
		5 th - 95 th	114 - 1744	109 - 2057	
		%>LOQ	100	100	
DHBMA	1.0	Median	307.5	410.4	0.082
		5 th - 95 th	125.3 - 769.2	121.4 - 910.0	
		%>LOQ	100	100	
EMA	0.01	Median	0.06	0.05	0.393
		5 th - 95 th	<LOQ - 0.49	<LOQ - 0.22	
		%>LOQ	82	90	
GAMA	1.0	Median	7.5	11.5	0.032
		5 th - 95 th	3.5 - 27.0	4.5 - 27.7	
		%>LOQ	100	100	
HEMA	0.3	Median	0.9	1.3	0.28
		5 th - 95 th	<LOQ - 2.8	<LOQ - 3.0	
		%>LOQ	86	86	
HMPMA	2	Median	181	205	0.747

		5th - 95th	71 - 515	59 - 489	
		%>LOQ	100	98	
MHBMA	0.04	Median	0.85	1.86	0.001
		5th - 95th	<LOQ - 6.56	0.29 - 6.67	
		%>LOQ	90	96	
MMA	0.09	Median	6.12	5.89	0.438
		5th - 95th	0.59 - 22.07	<LOQ - 21.88	
		%>LOQ	100	92	
NANPC	0.11	Median	<LOQ	<LOQ	NA
		5th - 95th	<LOQ - <LOQ	<LOQ - <LOQ	
		%>LOQ	4	4	
PHEMA	0.01	Median	0.11	0.27	<0.001
		5th - 95th	<LOQ - 0.41	0.05 - 0.88	
		%>LOQ	88	100	
SBMA	0.02	Median	0.98	1.26	0.141
		5th - 95th	0.26 - 4.26	0.32 - 6.21	
		%>LOQ	100	100	
SPMA	0.01	Median	0.03	0.48	<0.001
		5th - 95th	<LOQ - 0.33	0.09 - 4.87	
		%>LOQ	71	100	

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NA: Not assessed