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Date: 31 March 2011

University of Manchester, Quarterly mercury monitoring, Spring 2011

Dear Melanie

Please find below the results of the analyses of the atmospheric mercury samples collected in February/March.

If you have any queries please do not hesitate to call me.

Yours sincerely

Andrew Easterbrook

Table of results of monitoring in, Feb/March 2011, in sampler order

HSL Sample no.	Sample ref. no.	Building	Room	Amount of mercury collected on sampler (µg)	Concentration Mercury in sampled air (µg/m³)
01621/11	Passive ID 1	Museum	B58	1.12	2.8
01622/11	Passive ID 2	Museum	B56	0.52	1.3
01623/11	Passive ID 3	Museum	B55	0.42	1.0
01624/11	Passive ID 4	Museum	B62	0.75	1.9
01625/11	Passive ID 5	Museum	G53	0.56	1.4
01626/11	Passive ID 6	Museum	G54	2.33	5.8
01627/11	Passive ID 7	Psychology Annexe	1.31	1.27	3.2
01628/11	Passive ID 8	Psychology Annexe	1.38	0.31	0.8
01629/11	Passive ID 9	Psychology Annexe	1.39	0.17	0.4
01630/11	Passive ID 10	Psychology Annexe	1.41	0.36	0.9
01631/11	Passive ID 11	Psychology Annexe	1.41A	0.43	1.1
01632/11	Passive ID 12	Psychology Annexe	1.41B	0.73	1.8
01633/11	Passive ID 13	Rutherford	2.57	0.13	0.3
01634/11	Passive ID 14	Rutherford	2.58	0.15	0.4
01635/11	Passive ID 15	Rutherford	2.59	0.13	0.3
01636/11	Passive ID 16	Rutherford	2.53	0.14	0.3
01637/11	Passive ID 17	Blank	-	<0.01	
01638/11	Passive ID 18	Blank	-	<0.01	
01639/11	Passive ID 19	Blank	-	<0.01	
01640/11	Passive ID 20	Blank	-	<0.01	

The lower limit of detection is shown on the analytical report as 0.01µg mercury. In a passive sample exposed for 20167 minutes (the average of these samples) and sampling at 20ml/min (from MDHS 16/2) this would be equivalent to 0.002 µg/m³.