

Supplementary Table - Mean Volatile Organic Compound Levels According to Obesity Severity (Adjusted For Age, Height and Race)

Factor	Control (N=55)	Overweight/ Obese (N=29)	Severely Obese (N=31)	p-value
Acetaldehyde	29.3 (25.5, 33.7)	27.9 (23.2, 33.7)	30.8 (25.7, 36.9)	0.76
Acetone	55.6 (44.7, 69.1)	50.6 (37.9, 67.6)	52.3 (39.5, 69.2)	0.88
Isoprene	6.2 (5.2, 7.3) ²³	10.5 (8.3, 13.2) ¹	12.8 (10.2, 16.0) ¹	<0.001
1-Decene	2.2 (1.8, 2.7) ³	3.1 (2.4, 4.0)	3.3 (2.6, 4.2) ¹	0.025
1-Octene	4.6 (3.8, 5.5) ²³	7.4 (5.8, 9.5) ¹	8.0 (6.3, 10.2) ¹	<0.001
Ammonia	50.1 (44.1, 57.0) ²³	67.2 (56.7, 79.7) ¹	67.5 (57.2, 79.5) ¹	0.008
Hydrogen sulfide	0.35 (0.30, 0.40) ³	0.46 (0.38, 0.55)	0.52 (0.44, 0.62) ¹	0.002

Values presented as Mean (95% CL) and were obtained using ANCOVA analysis. The logarithm of each VOC was modeled as the outcome variable with obesity, age, height and Caucasian as the independent variables.