Supplementary Information

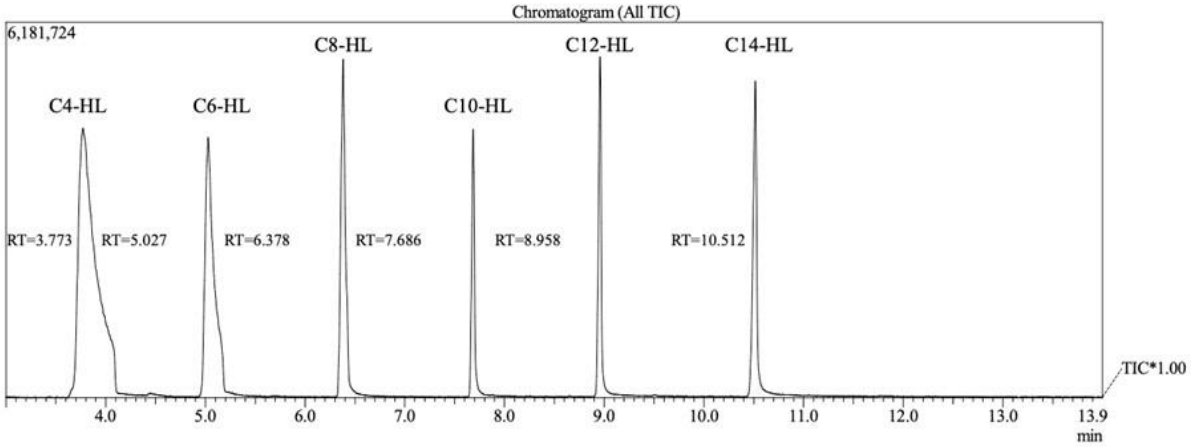


Figure S1. Chromatogram of AHL standards (at 5 ppm) used in the study.

Table S1. MRM method parameters for HLS detection and quantification.

Analyte	RT (min)	MRM Start Time (min)	MRM End Time (min)	Quantification		Qualification	
				MRM Transition	Collision Energy	MRM Transition	Collision Energy
N-butyryl-L-Homoserine Lactone (C4-HLS)	3.77	3.48	4.73	172.00>71.10	11	172.00>102.10	6
N-hexanoyl-L-Homoserine Lactone (C6-HLS)	5.03	4.73	5.71	200.00>102.10	4	200.00>99.10	7
N-octonyl-L-Homoserine Lactone (C8-HLS)	6.38	5.71	7.05	228.00>57.10	24	228.00>127.10	6
N-decanoyl-Homoserine Lactone (C10-HLS)	7.69	7.05	8.34	256.00>102.10	7	256.00>155.20	6
N-dodecanoyl-Homoserine Lactone (C12-HLS)	8.96	8.34	9.27	284.00>102.10	6	284.00>57.10	23
N-tetradecanoyl-Homoserine Lactone (C14-HLS)	10.51	9.27	10.80	312.00>102.10	6	312.00>57.10	23