A quantitative assessment of the chemical variation in food grade polyethylene cling film, a common wrapping material for illicit drugs, using attenuated total reflection-Fourier transform infrared spectroscopy

Supporting information

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Figure S1 Bivariate plot of the normalised peak areas for peaks 1 and 4 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S2 Bivariate plot of the normalised peak areas for peaks 1 and 5 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S3 Bivariate plot of the normalised peak areas for peaks 1 and 6 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S4 Bivariate plot of the normalised peak areas for peaks 1 and 7 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S5 Bivariate plot of the normalised peak areas for peaks 1 and 8 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S6 Bivariate plot of the normalised peak areas for peaks 1 and 9 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S7 Bivariate plot of the normalised peak areas for peaks 1 and 10 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S8 Bivariate plot of the normalised peak areas for peaks 3 and 4 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S9 Bivariate plot of the normalised peak areas for peaks 3 and 5 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S10 Bivariate plot of the normalised peak areas for peaks 3 and 6 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S11 Bivariate plot of the normalised peak areas for peaks 3 and 7 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S12 Bivariate plot of the normalised peak areas for peaks 3 and 8 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S13 Bivariate plot of the normalised peak areas for peaks 3 and 9 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S14 Bivariate plot of the normalised peak areas for peaks 3 and 10 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S15 Bivariate plot of the normalised peak areas for peaks 4 and 5 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S16 Bivariate plot of the normalised peak areas for peaks 4 and 6 from the five high resolution IR spectra recorded for cling films A,B and C



Figure S17 Bivariate plot of the normalised peak areas for peaks 4 and 7 from the five high resolution IR spectra recorded for cling films A,B and C



Figure S18 Bivariate plot of the normalised peak areas for peaks 4 and 8 from the five high resolution IR spectra recorded for cling films A,B and C



Figure S19 Bivariate plot of the normalised peak areas for peaks 4 and 9 from the five high resolution IR spectra recorded for cling films A,B and C



Figure S20 Bivariate plot of the normalised peak areas for peaks 4 and 10 from the five high resolution IR spectra recorded for cling films A,B and C



Figure S21 Bivariate plot of the normalised peak areas for peaks 5 and 6 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S22 Bivariate plot of the normalised peak areas for peaks 5 and 7 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S23 Bivariate plot of the normalised peak areas for peaks 5 and 8 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S24 Bivariate plot of the normalised peak areas for peaks 5 and 9 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S25 Bivariate plot of the normalised peak areas for peaks 5 and 10 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S26 Bivariate plot of the normalised peak areas for peaks 6 and 7 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S27 Bivariate plot of the normalised peak areas for peaks 6 and 8 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S28 Bivariate plot of the normalised peak areas for peaks 6 and 9 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S29 Bivariate plot of the normalised peak areas for peaks 6 and 10 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S30 Bivariate plot of the normalised peak areas for peaks 7 and 8 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S31 Bivariate plot of the normalised peak areas for peaks 7 and 9 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S32 Bivariate plot of the normalised peak areas for peaks 7 and 10 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S33 Bivariate plot of the normalised peak areas for peaks 8 and 9 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S34 Bivariate plot of the normalised peak areas for peaks 8 and 10 from the five high resolution IR spectra recorded for cling films A, B and C



Figure S35 Bivariate plot of the normalised peak areas for peaks 9 and 10 from the five high resolution IR spectra recorded for cling films A, B and C

Table S1	The mean, standard deviation and relative standard deviation of the peak areas of the ten peaks assigned for Cling film A
	Square 1, Cling film B Square 14 and Cling film C Square 20

Peak	1	2	3	4	5	6	7	8	9	10		
number/Reading												
CLING FILM A SQUARE 1												
Mean	17.56	116.27	15.46	46.44	83.34	6.09	3.56	9.49	1.81	1.98		
SD	4.03	32.4	4.05	11.5	38.4	2.71	2.79	3.22	3.43	1.68		
CV (%)	23.0	27.9	26.2	24.9	46.1	44.5	78.4	33.9	190.0	85.1		
CLING FILM B SQUARE 14												
Mean	19.84	126.25	16.30	55.01	87.79	3.43	2.69	10.08	0.71	2.87		
SD	6.02	39.5	4.08	29.3	20.1	2.58	1.89	3.13	1.26	1.94		
CV (%)	30.4	31.3	25.0	53.3	22.9	75.2	70.5	31.1	178.0	67.7		
CLING FILM C SQUARE 20												
Mean	18.71	116.25	15.66	67.64	86.19	4.24	7.00	5.92	0.94	5.44		
SD	3.71	34.7	1.86	27.7	42.1	1.78	6.63	3.79	1.38	4.41		
CV (%)	19.8	29.9	11.9	41.0	48.9	41.9	94.6	64.0	147.0	81.0		