



Supplement of

**Determination of the atmospheric volatility of pesticides using
Filter Inlet for Gases and AEROSols–chemical ionisation
mass spectrometry**

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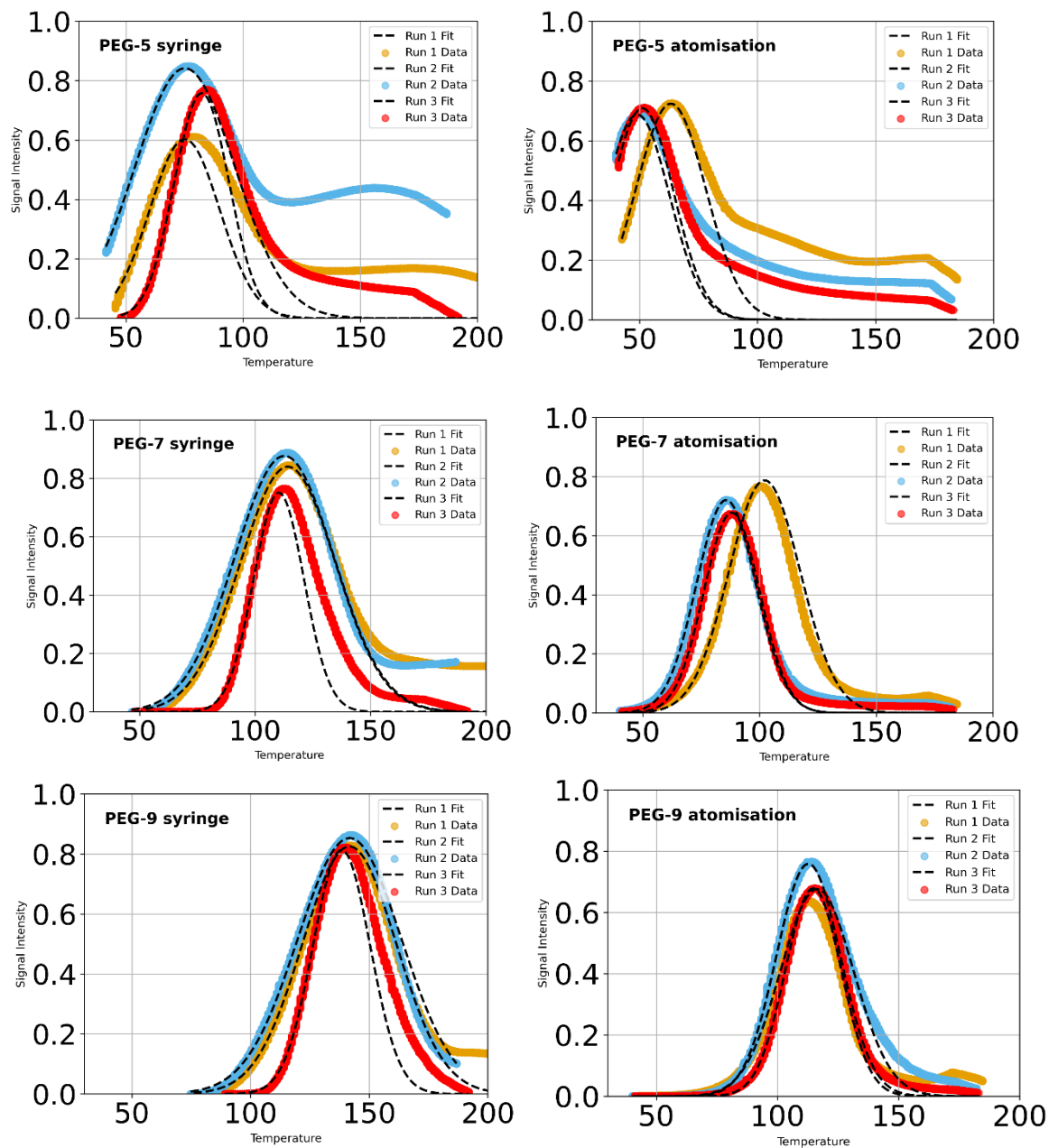
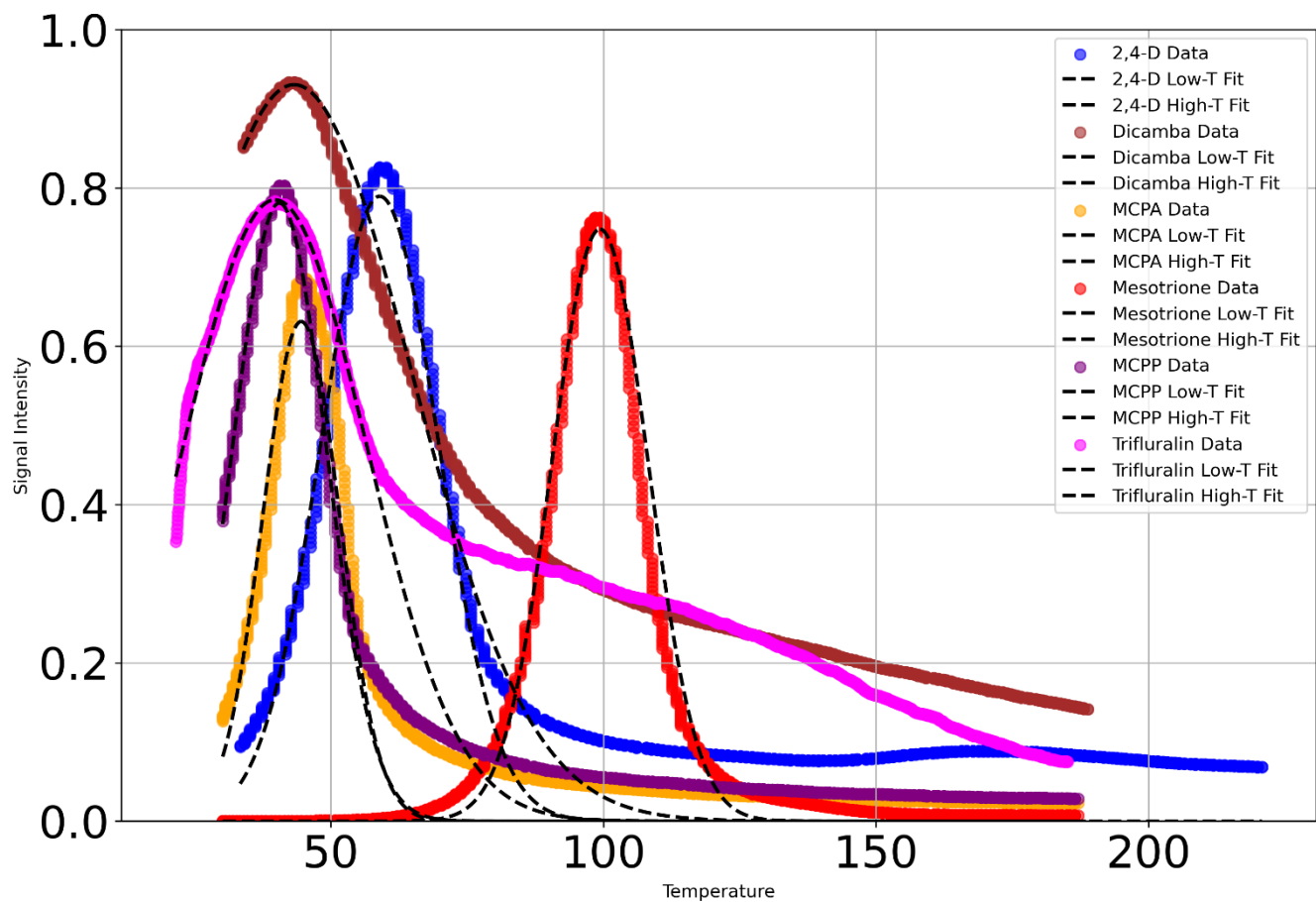


Figure S1: Repeat run fitted with a low T-side gaussian fit with a mirrored high T-side fit from the PEG syringe thermograms presented in figure 6 of the main manuscript.



25 **Figure S2: Gaussian fitted pesticide thermograms presented in figure 6 of the main manuscript.**

Table S1: Presented standard deviation and full width half maximums for each of the PEG syringe thermograms

Compound	Run Number	Standard Deviation	Full Width Half Maximum
PEG 1	PEG Syringe 1	0.043029	n/a
PEG 2	PEG Syringe 1	0.019841	n/a
PEG 3	PEG Syringe 1	0.061816	n/a
PEG 4	PEG Syringe 1	0.120898	n/a
PEG 5	PEG Syringe 1	0.141968	63.7
PEG 6	PEG Syringe 1	0.213258	652.4
PEG 7	PEG Syringe 1	0.249988	49.4
PEG 8	PEG Syringe 1	0.255238	46.9
PEG 9	PEG Syringe 1	0.267166	46
PEG 10	PEG Syringe 1	0.279353	45.3
PEG 11	PEG Syringe 1	0.279771	42.5
PEG 12	PEG Syringe 1	0.274312	42.1
PEG 13	PEG Syringe 1	0.264753	40.9
PEG 14	PEG Syringe 1	0.259454	40.7
PEG 15	PEG Syringe 1	0.227712	38.7
PEG 16	PEG Syringe 1	0.152519	n/a
PEG 1	PEG Syringe 2	0.055531	n/a
PEG 2	PEG Syringe 2	0.012884	n/a
PEG 3	PEG Syringe 2	0.070254	n/a
PEG 4	PEG Syringe 2	0.159831	n/a
PEG 5	PEG Syringe 2	0.158666	58.9
PEG 6	PEG Syringe 2	0.226129	51.6
PEG 7	PEG Syringe 2	0.287126	51.6
PEG 8	PEG Syringe 2	0.303555	49.4
PEG 9	PEG Syringe 2	0.307325	47.7
PEG 10	PEG Syringe 2	0.319395	48.3
PEG 11	PEG Syringe 2	0.329424	47.5
PEG 12	PEG Syringe 2	0.315942	n/a
PEG 13	PEG Syringe 2	0.278748	n/a
PEG 14	PEG Syringe 2	0.22262	n/a
PEG 15	PEG Syringe 2	0.150391	n/a
PEG 16	PEG Syringe 2	0.069654	n/a
PEG 1	PEG Syringe 3	0.080361	n/a
PEG 2	PEG Syringe 3	0.039363	n/a
PEG 3	PEG Syringe 3	0.140204	n/a

PEG 4	PEG Syringe 3	0.231058	n/a
PEG 5	PEG Syringe 3	0.22881	34.9
PEG 6	PEG Syringe 3	0.219188	32.4
PEG 7	PEG Syringe 3	0.24527	32.6
PEG 8	PEG Syringe 3	0.253734	35
PEG 9	PEG Syringe 3	0.276235	34.3
PEG 10	PEG Syringe 3	0.285409	34.2
PEG 11	PEG Syringe 3	0.291096	31.2
PEG 12	PEG Syringe 3	0.242444	25.5
PEG 13	PEG Syringe 3	0.158333	n/a
PEG 14	PEG Syringe 3	0.203823	n/a
PEG 15	PEG Syringe 3	0.064268	n/a
PEG 16	PEG Syringe 3	0.033518	n/a

Table S2: Presented standard deviation and full width half maximums for each of the PEG atomisation thermograms

Compound	Run Number	Standard Deviation	Full Width Half Maximum
PEG 1	PEG Atomisation run 1	0.003731	n/a
PEG 2	PEG Atomisation run 1	0.027495	n/a
PEG 3	PEG Atomisation run 1	0.173071	n/a
PEG 4	PEG Atomisation run 1	0.063222	n/a
PEG 5	PEG Atomisation run 1	0.188054	n/a
PEG 6	PEG Atomisation run 1	0.214379	31.6
PEG 7	PEG Atomisation run 1	0.223407	31.7
PEG 8	PEG Atomisation run 1	0.22717	31.7
PEG 9	PEG Atomisation run 1	0.247393	35.1
PEG 10	PEG Atomisation run 1	0.277645	42.5
PEG 11	PEG Atomisation run 1	0.308204	51.2
PEG 12	PEG Atomisation run 1	0.298668	50.5

PEG 13	PEG Atomisation run 1	0.249717	45.4
PEG 14	PEG Atomisation run 1	0.183889	43
PEG 15	PEG Atomisation run 1	0.089173	37.4
PEG 16	PEG Atomisation run 1	0.031918	n/a
PEG 1	PEG Atomisation run 2	0.065051	n/a
PEG 2	PEG Atomisation run 2	0.11932	n/a
PEG 3	PEG Atomisation run 2	0.134942	n/a
PEG 4	PEG Atomisation run 2	0.195675	n/a
PEG 5	PEG Atomisation run 2	0.170252	42.2
PEG 6	PEG Atomisation run 2	0.234296	36
PEG 7	PEG Atomisation run 2	0.241734	33.4
PEG 8	PEG Atomisation run 2	0.216853	30
PEG 9	PEG Atomisation run 2	0.196929	30
PEG 10	PEG Atomisation run 2	0.181912	31.7
PEG 11	PEG Atomisation run 2	0.162213	35.8
PEG 12	PEG Atomisation run 2	0.15842	49.1
PEG 13	PEG Atomisation run 2	0.169465	n/a
PEG 14	PEG Atomisation run 2	0.149642	n/a
PEG 15	PEG Atomisation run 2	0.143715	51.7
PEG 16	PEG Atomisation run 2	0.172397	45.6
PEG 1	PEG Atomisation run 3	0.008783	n/a
PEG 2	PEG Atomisation run 3	0.051641	n/a
PEG 3	PEG Atomisation run 3	0.190573	n/a
PEG 4	PEG Atomisation run 3	0.033878	n/a

PEG 5	PEG Atomisation run 3	0.206966	n/a
PEG 6	PEG Atomisation run 3	0.203647	29.8
PEG 7	PEG Atomisation run 3	0.209143	28.7
PEG 8	PEG Atomisation run 3	0.213781	27.9
PEG 9	PEG Atomisation run 3	0.214382	28
PEG 10	PEG Atomisation run 3	0.221895	29.6
PEG 11	PEG Atomisation run 3	0.255236	34.5
PEG 12	PEG Atomisation run 3	0.311995	43.1
PEG 13	PEG Atomisation run 3	0.306441	41.2
PEG 14	PEG Atomisation run 3	0.209504	n/a
PEG 15	PEG Atomisation run 3	0.13016	n/a
PEG 16	PEG Atomisation run 3	0.06895	n/a

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Table S3: Presented standard deviation and full width half maximums for each of the pesticide atomisation thermograms.

Compound	Run Number	Standard Deviation	Full Width Half Maximum
2,4-D	Pesticide run 1	0.187182	18.1
Dicamba	Pesticide run 1	0.241627	16.3
MCPA	Pesticide run 1	0.163907	15.9
Mesotrione	Pesticide run 1	0.196694	18.5
Mecoprop-P	Pesticide run 1	0.207007	20.6
Trifluralin	Pesticide run 1	0.202343	44
2,4-D	Pesticide run 2	0.074938	36.5
Dicamba	Pesticide run 2	0.194977	58.9
MCPA	Pesticide run 2	0.163907	16
Mesotrione	Pesticide run 2	0.320658	41.3
Mecoprop-P	Pesticide run 2	0.207007	21
Trifluralin	Pesticide run 2	0.271879	n/a