**Supplemental Digital Content 7.** Gas chromatography-mass spectrometry identification and peak area contribution (%) of compounds found in smoke from polyvinyl alcohol (PVA).

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| --- | --- | --- | --- |
| Peak | Retention time [min] | Compound | Normalized areas [%] |
| 1 | 1.45 | Carbon dioxide | 38.2 |
| 2 | 1.48 | Propene | 9.3 |
| 3 | 1.56 | Acetaldehyde | 4.0 |
| 4 | 1.76 | Water | 45.7 |
| 5 | 2.42 | Furan, 2-methyl- | 0.0 |
| 6 | 2.79 | - | 0.0 |
| 7 | 2.91 | Benzene | 2.1 |
| 8 | 4.50 | Toluene | 0.5 |
| 9 | 8.65 | Benzaldehyde | 0.1 |
| 10 | 8.99 | Benzofuran | 0.1 |
| 11 | 12.30 | Naphthalene | 0.1 |