

Analyst

SUPPLEMENTARY INFORMATION

Ionogel fibers of bis(trifluoromethylsulfonyl)imide anion-based ionic liquids for the headspace solid-phase microextraction of chlorinated organic pollutants

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Table S1. Matrix of the CCD plan and responses (average EF) obtained for the extraction of chlorinated organic pollutants using the [C₄C₁Pyrr][TFSI]-based iongel fiber

Run	Temperature (°C)	Time (min)	Na ₂ SO ₄ conc. (% w/v)	EF
1	61.8	30.0	10.0	5820
2	28.2	30.0	10.0	9880
3	45.0	30.0	10.0	7830
4	55.0	13.0	15.9	5090
5	45.0	30.0	19.9	10700
6	35.0	47.0	15.9	9120
7	45.0	30.0	10.0	7300
8	45.0	30.0	10.0	7630
9	45.0	30.0	10.0	7560
10	45.0	30.0	10.0	7950
11	45.0	30.0	10.0	7340
12	45.0	30.0	10.0	8040
13	35.0	13.0	15.9	8260
14	45.0	1.4	10.0	2790
15	55.0	13.0	4.1	3790
16	45.0	30.0	10.0	7470
17	45.0	58.6	10.0	9420
18	35.0	13.0	4.1	5580
19	55.0	47.0	4.1	7650
20	45.0	30.0	0.1	7170
21	45.0	30.0	10.0	7680
22	55.0	47.0	15.9	8980
23	35.0	47.0	4.1	8640

Figure S1. EDX elemental mapping of C, N, O, F, Si, and S present in ionogel fibres prepared from (A) $[C_4C_1Py][TFSI]$, (B) $[C_4C_1Pyrr][TFSI]$ and (C) $[C_4C_1Pip][TFSI]$ ILs.

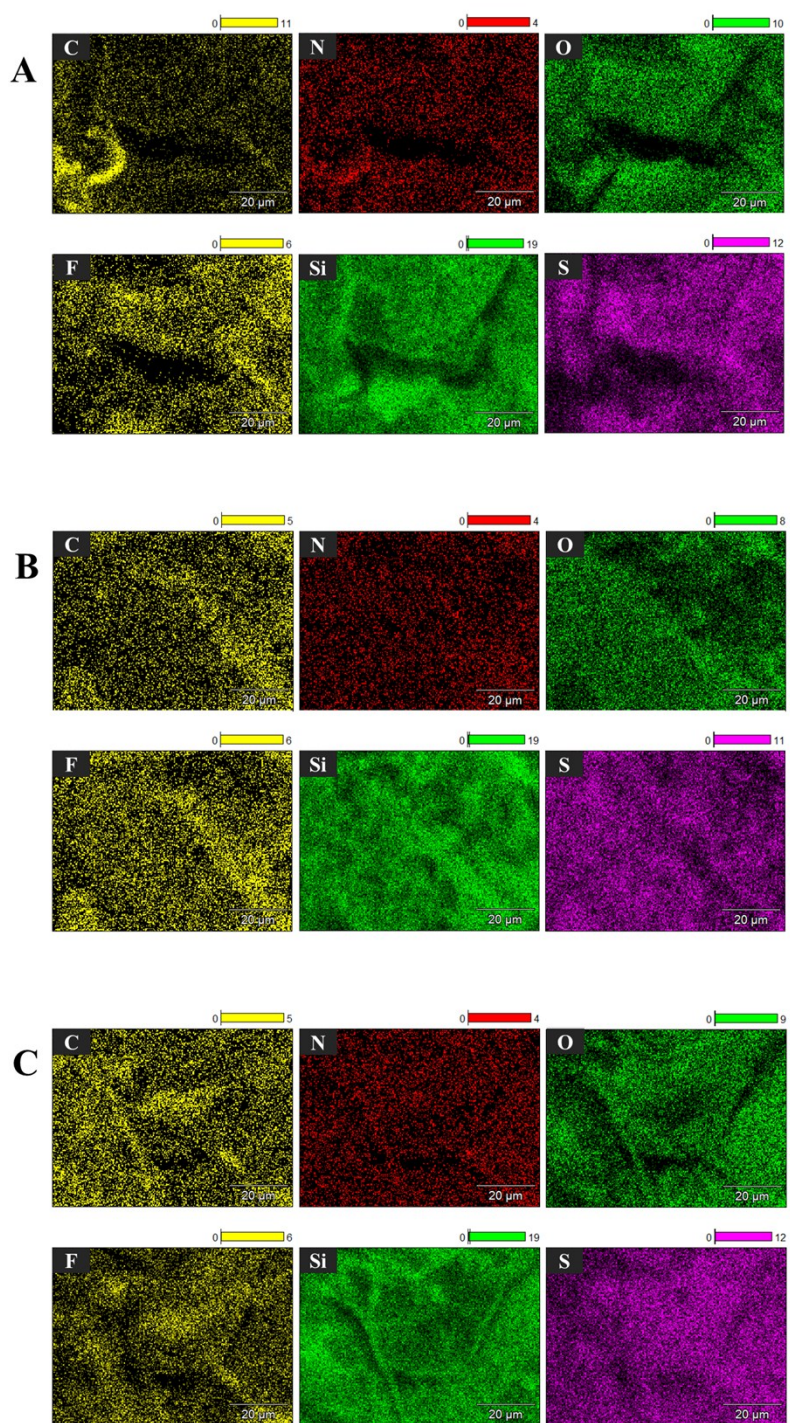


Figure S2. Pareto chart of the standardized effects for the variables examined by the central composite design.

