

# Supplementary Materials

## Molecularly Imprinted Polymer-Based Sensors for Priority Pollutants

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**Table 1.** Published manuscripts for the chemicals in EPA Priority Pollutant List.

Family group	Template/s	Target chemicals	Sensory concept	Sample Ref.
BTEX	Toluene	Toluene	Chemiresistor	Gas [1]
	1, 2, 3 Trimethoxybenzene	benzene, toluene and isomers of xylene	QCM	Gas [2]
	phenol and acetoin	benzene and IMK	QCM	Gas [3]
	Toluene	Toluene	Electrochemical	Gas [4]
	Toluene	toluene, ethylbenzene and xylenes	Luminescence	Water [5]
Nitrophenols	4-nitrophenol	4-nitrophenol	Electrochemical	Water [6]
	4-nitrophenol	4-nitrophenol	Electrochemical	Water [7]
	4-nitrophenol	4-nitrophenol	Luminescence	Water [8]
	4-nitrophenol	4-nitrophenol	Electrochemical	Water [9]
	4-nitrophenol	4-nitrophenol	Colorimetric	Water [10]
	4-nitrophenol	4-nitrophenol	Luminescence	Water [11]
	4-nitrophenol	4-nitrophenol	Luminescence	Water [12]
	4-nitrophenol	4-nitrophenol	Luminescence	Water [13]
	4-nitrophenol	4-nitrophenol	Luminescence	Water [14]
	4-nitrophenol	4-nitrophenol	Colorimetric	Water [15]
	4-nitrophenol	4-nitrophenol	Electrochemical	Water [16]
	4-nitrophenol	4-nitrophenol	Luminescence	Water [17]
	4-nitrophenol	4-nitrophenol	Electrochemical	Water [18]
	4-nitrophenol	4-nitrophenol	Electrochemical	Water [19]
	4-nitrophenol	4-nitrophenol	Luminescence	Water [20]
	4-nitrophenol	4-nitrophenol	Luminescence	Water [21]
	4-nitrophenol	4-nitrophenol	Luminescence	Water [22]
	4-nitrophenol	4-nitrophenol	Luminescence	Water [23]
	4-nitrophenol	4-nitrophenol	Electrochemical	Water [24]
	4-nitrophenol	4-nitrophenol	Electrochemical	Water [25]
	4-nitrophenol	4-nitrophenol	Electrochemical	Water [26]
	2,4-dinitrophenol	2,4-dinitrophenol	Electrochemical	Water [27]
2,4-dinitrophenol	2,4-dinitrophenol	Electrochemical	Water [28]	

<b>Phenol &amp; Chlorophenols</b>	Phenol	Phenol	QCM	Gas [29]
	Phenol	Phenol	Colorimetric	Water [30]
	Phenol	Phenol	Electrochemical	Water [31]
	2,4,6-trichlorophenol	2,4,6-trichlorophenol	Luminescence	Water [32]
	2,4,6-trichlorophenol	2,4,6-trichlorophenol	Luminescence	Water [33]
	2,4-dichlorophenol	2,4-dichlorophenol	Luminescence	Water [34]
	2,4-Dichlorophenol	2,4-dichlorophenol	Electrochemical	Water [35]
	2,4-Dichlorophenol	2,4-Dichlorophenol	Electrochemical	Water [36]
	2,4-Dichlorophenol	2,4-Dichlorophenol	Electrochemical	Water [37]
<b>Nitrotoluenes &amp; Nitrobenzene</b>	2,4-dinitrotoluene	2,4-dinitrotoluene	Luminescence	Water [38]
	2,4-dinitrotoluene	2,4-dinitrotoluene	Luminescence	Gas [39]
	2,4-dinitrotoluene	2,4-dinitrotoluene	Electrochemical/QCM	Water [40]
	2,4-dinitrotoluene	2,4-dinitrotoluene	Luminescence	Water [41]
	2,4-dinitrotoluene	2,4-dinitrotoluene	Colorimetric	Water [42]
	2,4-dinitrotoluene	2,4-dinitrotoluene	Electrochemical	Water [43]
	Nitrobenzene	Nitrobenzene	Chemiresistor	Gas [44]
<b>Pesticides</b>	Dieldrin	Dieldrin	Colorimetric	Water [45]
	Endosulfan	Endosulfan		
	Hexachlorobenzene	Hexachlorobenzene	QCM	Water [46]
	Hexachlorobenzene	Hexachlorobenzene		
	Bisphenol A	DDT	Electrochemical	Water [47]
	Endosulfan	Endosulfan	Electrochemical	Water [48]
	Endosulfan	Endosulfan	QCM	Water [49]
	Heptachlor	Heptachlor	Photoelectrochemical	Water [50]
	Lindane	Lindane	Photoelectrochemical	Water [51]
	Lindane	Lindane	Electrochemical	Water [52]
<b>PAH</b>	Fluoranthene	Fluoranthene	Luminescence	Water [53]
	Fluoranthene	Fluoranthene	Luminescence	Water [54]
		Naphthalene	Luminescence	Gas [55]
		benzo[a]pyrene	Luminescence	Water [56]
		benzo[a]pyrene	Electrochemical	Water [57]
		benzo[a]pyrene	Electrochemical	Water [58]
		anthracene	Luminescence	[59]
		anthracene	Luminescence	[60]
		Naphthalene anthracene	Chemiresistor	Water [61]
	phenanthrene	phenanthrene	Luminescence	Milk [62]
		pyrene	QCM Luminescence	[63]
		1-hydroxypyrene (is not in the list)	Electrochemical	[64]
<b>Phthalate esters</b>		diethylhexyl phthalate	Luminescence	Water [65]
	dibutyl phthalate	dibutyl phthalate	Luminescence	Water [66]
		Dibutyl phthalate	Luminescence	Water [67]
		dibutyl phthalate	Luminescence	Water [68]
		dibutylphthalate	Electrochemical	[69]

	Diisononyl Phthalate (is not in the list)	Electrochemical	[70]
	Arsenic	Electrochemical	[71]
	Arsenic	Electrochemical	[72]
	Cadmium	Electrochemical	[73]
	Copper	Electrochemical	[73]
	Cadmium	Luminescence	[74]
	Cadmium	Electrochemical	[75]
	Cadmium	Electrochemical	[76]
	Cadmium	Colorimetric	[77]
	Cadmium	Luminescence	[78]
	Chromium	Electrochemical	[79]
	Chromium	Luminescence	[80]
	Chromium	Luminescence	[81]
	Chromium	Electrochemical	[82]
	Copper	Electrochemical	[83]
	Zinc	Electrochemical	[83]
	Copper	Electrochemical	[84]
	Copper	Electrochemical	[85]
	Copper	Electrochemical	[86]
Metal ions	Cyanide	Electrochemical	[87]
	Lead	Electrochemical	[88]
	Lead	Electrochemical	[89]
	Lead	Electrochemical	[90]
	Lead (Conference paper)	QCM	[91]
	Lead	Electrochemical	[92]
	Lead	Electrochemical	[93]
	Mercury	Luminescence	[94]
	Mercury	Electrochemical	[95]
	Mercury	Electrochemical	[96]
	Mercury	Electrochemical	[97]
	Mercury	Electrochemical	[98]
	Mercury	Electrochemical	[99]
	Silver	Electrochemical	[100]
	Thallium	Electrochemical	[101]
	Zinc	Electrochemical	[102]

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