

Supporting Information

Red-Emitting GSH-Cu NCs as Triplet Induced Quenched Fluorescent Probe for Fast Detection of Thiol Pollutants

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Supporting Tables

Table S1 Analytical results for the detection of MPA in water samples

Samples	Spiked (nm)	Measured (nm)	Recovery (%)	RSD (n=3,%)
Water sample-1	0	nd*	-	-
	5	4.68±0.25	93%	0.051
	30	30.36±1.46	101%	0.040
	80	84.62±1.32	105%	0.016
Water sample-2	0	nd	-	-
	5	4.76±0.24	95%	0.049
	30	29.88±2.02	99%	0.067
	80	82.09±0.97	102%	0.012
Water sample-3	0	nd	-	-
	5	4.89±0.15	97%	0.031
	30	29.20±0.52	97%	0.017
	80	81.09±0.65	101%	0.010

*Not detected

Table S2 Analytical results for the detection of 2-AT in water samples

Samples	Spiked (nm)	Measured (nm)	Recovery (%)	RSD (n=3,%)
Water sample-1	0	nd*	-	-
	5	5.45±1.93	109%	0.380
	30	28.30±1.35	94%	0.040
	80	79.97±0.75	99%	0.009
Water sample-2	0	nd	-	-
	5	5.38±0.79	107%	0.150
	30	29.19±0.27	97%	0.070
	80	80.22±0.64	100%	0.008
Water sample-3	0	nd	-	-
	5	4.99±0.43	99%	0.080
	30	29.72±1.52	99%	0.050
	80	78.72±1.21	98%	0.015

*Not detected

Table S3 Analytical results for the detection of TGA in water samples

Samples	Spiked (nm)	Measured (nm)	Recovery (%)	RSD (n=3,%)
Water sample-1	0	nd*	-	-
	5	5.13±0.56	102%	0.110
	30	31.22±0.28	104%	0.009
	80	79.86±0.78	99%	0.010
Water sample-2	0	nd	-	-
	5	5.18±1.05	103%	0.210
	30	30.94±0.96	103%	0.032
	80	80.24±0.49	100%	0.006
Water sample-3	0	nd	-	-
	5	5.20±1.67	104%	0.334
	30	31.91±1.12	106%	0.037
	80	81.36±0.93	101%	0.011

*Not detected

Table S4 Analytical results for the detection of ME in water samples

Samples	Spiked (nm)	Measured (nm)	Recovery (%)	RSD (n=3,%)
Water sample-1	0	nd*	-	-
	5	4.68±0.06	93%	0.013
	30	30.16±1.02	100%	0.034
	80	79.21±0.22	99%	0.002
Water sample-2	0	nd	-	-
	5	4.97±0.92	99%	0.184
	30	31.33±1.03	104%	0.035
	80	78.23±0.19	97%	0.035
Water sample-3	0	nd	-	-
	5	4.86±0.60	97%	0.121
	30	30.45±1.29	101%	0.043
	80	79.35±0.89	99%	0.011

*Not detecte