

CORRECTION

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Correction: Dissolved organic matter in Lake Superior: insights into the effects of extraction methods on chemical composition

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Correction for 'Dissolved organic matter in Lake Superior: insights into the effects of extraction methods on chemical composition' by Hongyu Li *et al.*, *Environ. Sci.: Processes Impacts*, 2015, 17, 1829–1840.

The authors were recently informed of new values for the process blank for UV oxidation of dissolved organic carbon and subsequent analysis at the National Ocean Sciences Accelerator Mass Spectrometry (NOSAMS) Facility. Values from this approach should be corrected for a process blank of $22 \pm 6 \mu\text{g}$ of carbon; this blank has a fraction modern of 0.3 ± 0.2 . Applying this blank leads to new 'init' $\Delta^{14}\text{C} \text{‰}$ values in Table 1. The corrected version of this table follows:

Table 1 Sampling information, DOC concentration, stable carbon ($\delta^{13}\text{C}$) and radiocarbon signatures of 'init' DOM, CDOM and DOC recoveries (% CDOM and % DOC of 'eR' to 'init' samples) and UV-visible spectrophotometry indices for 'init' and 'eR' samples of both C18 and SDB-XC extractions

Sample		CM	CM	EM	EM	NM	NM	SM	SM	WM	WM	BR	ONT
Water depth m		258	258	248	240	213	216	398	386	171	171	19	20
Sample depth m		5	190	5	210	5	150	5	340	5	127	4	5
'init' DOC μM		86.5	89.5	89.8	87.8	88.2	87.8	87.8	86.0	87.8	91.0	92.8	108.6
'init' $\delta^{13}\text{C} \text{‰}$		—	—	−26.1	−25.9	—	—	−25.9	−26.0	−26.0	−29.0	—	−28.2
'init' $\Delta^{14}\text{C} \text{‰}$		—	—	62	67	—	—	58	66	76	174	—	−7
CDOM recovery %	XC	30.9	25.5	28.0	31.6	31.4	34.0	30.8	24.0	35.6	34.2	28.8	36.4
	C18	19.0	27.0	24.2	26.2	26.6	24.2	22.5	19.9	19.1	28.5	23.7	31.8
DOC recovery %	XC	23.1	22.9	21.6	22.5	22.2	22.3	22.2	23.1	23.2	54.8	26.0	25.7
	C18	11.8	20.1	15.8	17.5	18.2	17.7	14.7	17.1	11.0	36.3	21.3	19.6
E2/E3	'init'	15.5	12.2	12.2	17.5	12.3	12.7	10.2	8.80	15.5	15.2	9.08	9.91
	XC 'eR'	8.91	9.40	9.40	8.98	8.91	8.29	9.08	9.10	8.77	8.57	7.55	7.21
	C18 'eR'	7.13	7.24	7.25	7.28	7.28	7.41	7.44	7.13	7.12	6.61	6.14	5.82
SUVA ₂₅₄ ^a $\text{L m}^{-1} \text{mg}^{-1}$	'init'	3.02	2.98	2.81	2.83	3.00	3.02	2.90	3.12	3.16	3.10	3.50	3.83
	XC 'eR'	3.55	3.01	3.38	3.47	3.81	4.07	3.73	3.26	4.02	1.66	3.63	4.83
	C18 'eR'	3.89	3.36	3.59	3.41	3.65	3.50	3.82	3.34	4.32	1.92	3.62	4.72
Spectral slope	'init'	0.022	0.022	0.022	0.023	0.022	0.021	0.021	0.022	0.022	0.022	0.019	0.019
	XC 'eR'	0.019	0.019	0.019	0.019	0.019	0.018	0.019	0.019	0.019	0.018	0.017	0.017
	C18 'eR'	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.016	0.014

^a From Zigah 2012.¹ ^b Blank correction applied as described above; note that estimates of precision impart error bars of ± 7 to $\pm 8 \text{‰}$. "—" indicates no measurement.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

References

- 1 P. K. Zigah, PhD thesis, University of Minnesota, 2012.

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