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Addition/Correction

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Correction to Photochemical Formation of Hydroxyl Radical from Effluent Organic Matter: Role of Composition

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Supporting Information

An error in the calculation of the E2/E3 ratio for all the fractions of WWTP A and B was brought to our attention and has been updated. For WWTP A (bulk, <10 k, <5 k, <1 k, non-humic), the values were changed from 0.41, 0.44, 0.49, 0.52, and 0.52 to 4.05, 4.09, 4.75, 4.81, and 4.76. For WWTP B (bulk, <10 k, <5 k, <1 k, non-humic), the values were changed from 0.41, 0.45, 0.51, 0.54, and 0.48 to 4.63, 4.57, 4.94, 6.38, and 7.10. Three tables (two main text, one Supporting Information) have been updated to reflect these changes along with two Supporting Information figures. The trends represented in these figures were unaltered. Therefore, the text and our interpretation of the data did not change. The third figure presented in this correction is an update to a typo found in the *y*-axis of Figure 5 (changed from $\Phi_{HO\bullet} \times 10^6$ to $\Phi_{HO\bullet} \times 10^4$).

Table 2: E2/E3 should read 4.05, 4.09, 4.75, 4.81 for WWTP A and 4.63, 4.57, 4.94, 6.38 for WWTP B, as shown below.

Table 3: E2/E3 should read 4.05, 4.76 for WWTP A and 4.63, 7.10 for WWTP B, as shown below.

Corrections to the Supporting Information include Table S1: E2/E3 ratio should read 4.05, 4.09, 4.75, 4.81, 4.76 for WWTP A and 4.63, 4.57, 4.94, 6.38, 7.10 for WWTP B. Figure S13: Plot has been updated with corrected E2/E3 data. Figure S14: Plot has been updated with corrected E2/E3 data.

Figure 5: Plot has been updated with corrected *Y*-axis, as shown below.

■ ASSOCIATED CONTENT

Supporting Information

Corrected Table S1, Figure S13, and Figure S14. This material is available free of charge via the Internet at http://pubs.acs.org.

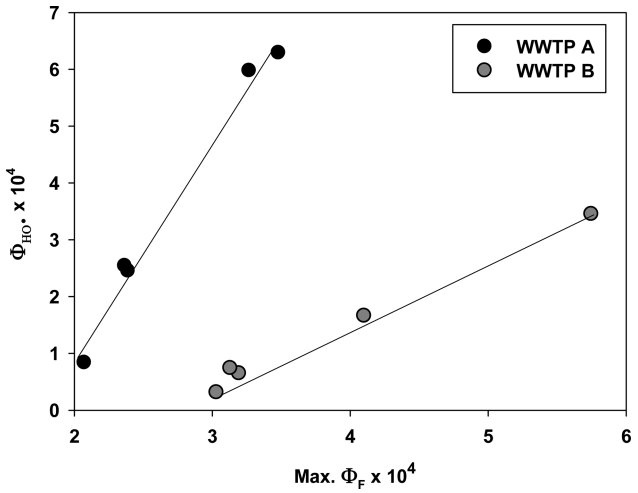

Figure 5. Correlation between maximum fluorescence quantum yield (Φ_F) and apparent quantum yield ($\Phi_{HO\bullet}$) for $HO^\bullet$ formation from WWTP A and B EfOM and its fractions.

Table 2. Characterizations of Effluent from WWTP A and B and its MW Based Fractions

sampling sites	fractions	DOC (mg_C/L)	UVA_{254} (cm^{-1})	$SUVA_{254}$ (m^{-1} L mg_c^{-1})	spectral slope ratio (S_R)	E2/E3	$R_{HO\bullet}$ ($\times 10^7$) (M $M_c^{-1}s^{-1}$)
WWTP A	bulk	8.52	0.166	1.95	0.76	4.05	6.76
	<10k	5.92	0.143	2.41	0.67	4.09	7.92
	<5k	4.01	0.095	2.37	0.53	4.75	15.3
	<1k	3.79	0.077	2.03	0.38	4.81	14.3
WWTP B	bulk	7.99	0.148	1.85	0.96	4.63	1.44
	<10k	5.89	0.128	2.17	0.87	4.57	2.00
	<5k	4.10	0.084	2.05	0.75	4.94	3.79
	<1k	3.45	0.051	1.48	0.61	6.38	4.55

Table 3. Characterization of Bulk and Non-Humic Fraction from WWTP A and B Fractionated by XAD

sampling sites	fractions	DOC (mg_C/L)	UVA_{254} (cm^{-1})	$SUVA_{254}$ (m^{-1} L mg_c^{-1})	spectral slope ratio (S_R)	E2/E3	$R_{HO\bullet}$ ($\times 10^7$) (M $M_c^{-1}s^{-1}$)
WWTP A	bulk	8.52	0.166	1.95	0.76	4.05	6.76
	non-humic	5.08	0.081	1.59	0.53	4.76	1.41
WWTP B	bulk	7.99	0.148	1.85	0.96	4.63	1.44
	non-humic	4.47	0.071	1.59	0.78	7.10	0.37

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