Supporting Information

Authors: Wontae Lee and Paul Westerhoff

Title: Dissolved organic nitrogen measurement using dialysis pretreatment

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MDL was determined by multiplying the standard deviation between the replicates (n = 7) for each species by the t-value at 99% confidence and n-1 degrees of freedom (US EPA method). The instrument was checked for the nitrogen recovery with 1 mgN/L of spikes.

Table S1. MDLs and percent recovery of nitrogen containing compounds on high temperature combustion method

Compound	Molecular formula	MDL (mgN/L)	% Recovery
Inorganic nitrogen			
Potassium nitrate	KNO_3	0.009	99.1 (1.1)[a]
Sodium nitrite	$NaNO_2$	0.009	100.5 (1.4)
Ammonium chloride	NH_4Cl	0.010	102.4 (1.1)
Amino acids			
Arginine	$C_6H_{14}N_4O_2$	0.007	98.8 (1.8)
Glutamic acid	$C_5H_9NO_4$	0.013	97.6 (1.8)
Glycine	$C_2H_5NO_2$	0.016	103.0 (2.3)
Proline	$C_5H_9NO_2$	0.010	99.3 (1.9)
Tryptophan	$C_{11}H_{12}N_2O_2$	0.009	101.3 (2.6)
Nucleic acids and proteins			
RNA		0.018	102.7 (4.4)
Tri-peptide (Glu-Cys-Gly)	$C_{10}H_{17}N_3O_6S$	0.014	98.6 (1.9)
Bovine serum albumin		0.019	N/A
Other org-N compounds			
Aniline	C_6H_7N	0.014	100.7 (1.8)
Imidazole	$C_3H_4N_2$	0.011	99.6 (1.8)
Urea	CH_4N_2O	0.013	99.0 (2.4)

[a] one standard deviation