Supplement Materials for

The Formation of Haloacetamides, an Emerging Class of N-DBPs from Chlor(am)ination Algal Organic Matter Extracted from *Microcystis aeruginosa*, *Scenedesmusquadricauda* and *Nitzschia palea*

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Table S1 The component of BG-11 culture medium

Chemical Name	Chemical Formula	Concentration (mg/L)
Sodium nitrate	$NaNO_3$	100.0
Sodium carbonate	Na_2CO_3	20.0
Magnesium sulfate	$MgSO_4 \cdot 7H_2O$	75.0
Potassium Phosphate Monobasic	KH_2PO_4	10.0
Calcium Chloride Dihydrate	$CaCl_2 \cdot 2H_2O$	40.0
EDTA	$Na_2EDTA \cdot 2H_2O$	1.0
Fe(III)-citrate complex	$C_6H_5FeO_7$	6.0

Table S2 The component of D-11 culture medium

Chemical Name		Chemical Formula	Requirements
Sodium nitrate		$NaNO_3$	30 g
Dipotassium hydrogen phosphate trihydrate		$K_2HPO_4 \cdot 3H_2O$	10 g
Magnesium sulfate		$MgSO_4 \cdot 7H_2O$	17.5 g
Potassium Phosphate Monobasic		KH_2PO_4	20 g
Calcium Chloride Dihydrate		$CaCl_2 \cdot 2H_2O$	5 g
Sodium silicate		$Na_2SiO_3 \cdot 9H_2O$	25 g
Sodium chloride		NaCl	2.5 g
Manganese(II) sulfate tetrahydrate		$MnSO_4 \cdot 4H_2O$	0.05 g
Fe(III)-citrate complex		$C_6H_5FeO_7$	1.25 g
A5	Orthoboric acid	H_3BO_3	715 mg
solution	Manganese(II) sulfate tetrahydrate	$MnSO_4 \cdot 4H_2O$	452.5 mg
	Zinc sulfate heptahydrate	$ZnSO_4 \cdot 7H_2O$	55 mg
	Copper sulfate pentahydrate	$CuSO_4 \cdot 5H_2O$	19.75 mg
	Ammonium molybdate tetrahydrate	$(NH_4)_6Mo_7O_{24} \cdot 4H_2O$	9.75 mg

Table S3 GC analysis retention time of Cl-HAcAm and QA/QC

Cl-HAcAm Name	Retention time (min)	The minimum detection limit (MDL, μg/L)	Recovery efficiency (%)
Chloroacetamide (CAcAm)	14.464	3.5	94.6
Dichloroacetamide (DCAcAm)	17.003	2.7	98.3
Trichloroacetamide (TCAcAm)	17.955	0.07	87.7