

Supporting Information

Reaction of Np, Am, and Cm Ions with CO₂ and O₂ in Reaction Cell in Triple Quadrupole Inductively Coupled Plasma Mass Spectrometry

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Table S1. ICP-MS/MS instrument settings for the measurement of Np, Am, and Cm with CO₂ and O₂

Conditions	Parameter	Value
ICP	RF Power	1550 W
	RF Matching	1.70 V
	Sampling Depth	8.0 mm
	Carries Gas	1.01 L/min
	Temperature of Spray Chamber	2 °C
	Makeup Gas	0.00 L/min
Lens	Extraction Lens 1	-5 V
	Extraction Lens 2	-250 V
	Omega Bias	-150 V
	Omega Lens	10 V
	CRC focus	0 V
	CRC Entrance	-50 V
	CRC Exit	-60 V
	Q1 Entrance	-50 V
	Q1 Exit	0 V
	Deflect	5 V
	Plate Bias	-60 V
Q1	Q1 Bias	0 V
	Q1 Prefilter Bias	-10 V
	Q1 Postfilter Bias	-10 V
CRC	Octopole Bias	-3 V
	Axial acceleration	1.5 V
	Octopole RF	180 V
	Energy Discrimination	-7 V

The sample solution was introduced using a peristaltic pump. A Micromist nebulizer, a quartz splay chamber, a Ni sampler cone, and a Ni skimmer cone with x-lends were used for all measurements.