Electronic Supplementary Material (ESI) for Environmental Science: Processes & Impacts
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Arsenic species and uptake in amphibians (*Rana clamitans* and *Bufo americanus*)

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Table S1. Arsenic species in frogs. DMA and TMAO determined separately by HPLC ICP-MS following methanol:water (1:1) extraction. AsIII-S determined only by XANES; DMA/TMAO by XANES (could not be distinguished). [As] in extract and residue determined by ICP-MS following acid digestion. [As] Total = [As] Residue + [As] Extract. EE% = 100% x [As] Extract/[As] Total. CR% = 100% x sum of species/[As] Extract. Italicized values are below the reporting limit but still detectable.

ID	Species	AsV	AsIII	AsIII-S	MMA	DMA	TMAO	DMA/ TMAO	Tetra	[As] Extract	[As] Residue	[As] Total	EE %	CR %	χ^2
Concentrations in µg·kg^{-1} wet weight															
B1	*Rana clamitans*		*11*			*8*				60	32	92	65	32	
B2A	*Rana clamitans*		*6*			*7*				30	108	138	22	43	
B2B	*Rana clamitans*		*5*			*5*				24	96	120	20	42	
B2 avg	*Rana clamitans*		*11*			*8*				60	32	92	65	32	
B3	*Rana clamitans*	*8*	47			*9*			132	148	98	246	60	132	
B4	*Rana clamitans*	*7*	62		*10*	*11*	61		71	245	79	324	76	91	
B5	*Rana clamitans*		45			*10*	22		114	228	131	359	64	84	
USH1	*Rana clamitans*	92	216		*12*	216	73		211	621	996	1620	38	132	
USH2	*Rana clamitans*		115			208			133	401	1300	1700	24	114	
USH3	*Rana clamitans*	191	194		*17*	167	32		197	721	1160	1880	38	111	
USH4	*Rana clamitans*	143	154		*14*	313			283	784	1620	2400	33	116	
USH5	*Rana clamitans*	203	93		44	286			112	671	2240	2910	23	110	
USH6	*Bufo americanus*	281	239		31	385			30	1040	2970	4010	26	93	
USH7	*Rana clamitans*	696	409		49	366	56		288	1250	3200	4450	28	150	
As proportions by XANES															
USH2w	*Rana clamitans*	0.77						0.23							**0.006**
USH3w	*Rana clamitans*	0.11	0.18	0.48					0.24						0.002
USH4w	*Rana clamitans*	0.06		0.50				0.13	0.31						0.00
USH5w	*Rana clamitans*	0.02		0.81				0.14	0.02						0.002
USH6w	*Bufo americanus*	0.15	0.18	0.41				0.25							0.0008
USH7w	*Rana clamitans*	0.10	0.35	0.21				0.34							0.0015
USH2d	*Rana clamitans*	0.17	0.20	0.33				0.40							0.0006
USH3d	*Rana clamitans*	0.13	0.22	0.36				0.29							0.0006
USH5d	*Rana clamitans*	0.09	0.68					0.23							**0.0099**
USH6d	*Bufo americanus*	0.24	0.12	0.40				0.25							0.0009
USH7d	*Rana clamitans*	0.22	0.18	0.39				0.22							0.0029