

Correction to Comparison of Annular Diffusion Denuder and High Volume Air Samplers for Measuring Per- and Polyfluoroalkyl Substances in the Atmosphere

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The authors note that the sentence on page 9626 "The comparison of the $p_{\rm L}$ values derived using SPARC with previously modeled data (using COSMOStherm C2.1, older SPARC versions and multiple linear regression (MLR) models)^{19–22} showed a good agreement except for the longer chain PFCAs (C₈–C₁₃),^{19,20} FTOHs,²⁰ FOSAs²¹ and FOSEs²¹ (for details see Table S11 in the Supporting Information)" was incorrect and should

be "The comparison of the $p_{\rm L}$ values derived using SPARC with previously modeled data (using COSMOStherm C2.1, older SPARC versions and multiple linear regression (MLR) models)^{19–22} showed a good agreement except for the longer chain **PFCAs** (C_8 – C_{13}),^{19,20} and **FTOHs**²⁰ (for details see Table S11 in the Supporting Information)." In addition, Table S11 in the Supporting Information had a few errors, and the correct table is shown below.

Table S11. Comparison of Predicted Liquid Vapor Pressures (log₁₀ p_L (Pa)) with Experimental and Modeled Literature Values

COSMOS- therm C2.1 COSMOS- C2004 C2005 C2005 C2006 C2007 C2007 C2007 C2007 C2007 C2.1 C2005 C2006 C2006 C2007 C2009 C2007 C2009 C2007 C2007 C2.1 C2.1 C2005 C2006 C2006 C2007 C2009 C2007 C2009 C2007 C2007		Predicted values (model results)						Experimental values						
temperature 25 35 25 25 ~124-129 25 26 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20		Wang et al (2011)	Gramatica	Forest		. (2006)	Arp et al		et al.	et al.	et al.	et al.	et al.	
PFBS PFHxS PFOS 0.54 1.53 1.18 -0.50 0.5 PFDS PFBA PFPEA PFPEA PFPEA PFPHxA PFOS 2.12 3 PFHxA PFPA 1.66 2.43 2.32 1.59 2 PFOA PFOA 0.62 0.89 -0.5 1.52 -0.98 1.08 1.08 1.09 1.08 1.08 1.08 1.08 1.08 1.08 1.08 1.08		COSMOS- therm C2.1	software	(Apr	(Feb	(Feb	(Apr	therm			_			
PFHxS 0.49 1 PFOS 0.54 1.53 1.18 -0.50 0 PFDS	25 25	25	25	25	25	25	25	25	~124-129	25	25	35	25	temperature
PFDS 2.12 3 PFBA 2.12 3 PFPeA 2.53 3 PFHxA 2.06 2.75 2.60 2.08 2 PFHpA 1.66 2.43 2.32 1.59 2 PFOA 0.62 0.89 -0.5 1.52 -0.98 1.08 1 PFNA 0.10 0.74 -0.59 -1.78 -1.10 0.54 1	77 1.20	2.8 1.77 0.83		1.10		1.52		0.54						PFHxS
PFPeA 2.53 3 PFHxA 2.06 2.75 2.60 2.08 2 PFHpA 1.66 2.43 2.32 1.59 2 PFOA 0.62 0.89 -0.5 1.52 -0.98 1.08 1 PFNA 0.10 0.74 -0.59 -1.78 -1.10 0.54 1	0.15 0.59	-0.15 3.59		1.18		1.55		0.34						PFDS
PFHpA 1.66 2.43 2.32 1.59 2 PFOA 0.62 0.89 -0.5 1.52 -0.98 1.08 1 PFNA 0.10 0.74 -0.59 -1.78 -1.10 0.54 1		3.13												
PFOA 0.62 0.89 -0.5 1.52 -0.98 1.08 1 PFNA 0.10 0.74 -0.59 -1.78 -1.10 0.54 1	56 2.17	2.66	2.08	2.60		2.75		2.06						PFHxA
PFNA 0.10 0.74 -0.59 -1.78 -1.10 0.54 1	20 1.92	2.20	1.59	2.32		2.43		1.66						PFHpA
	73 1.71	1.73	1.08		-0.98	1.52		-0.5	0.89				0.62	PFOA
PFDA -0.64 0.50 -0.84 -2.28 -1.45 0.01 0	27 1.51	1.27	0.54		-1.10	-1.78		-0.59	0.74				0.10	PFNA
	32 1.33	0.82	0.01		-1.45	-2.28		-0.84	0.50				-0.64	PFDA
PFUnDA -0.98 0.24 -0.81 -2.40 -1.40 -0.59 0	1.17	0.34	-0.59		-1.40	-2.40		-0.81	0.24				-0.98	PFUnDA
PFDoDA -0.07 -1.07 -	0.13 1.02	-0.13	-1.07						-0.07					PFDoDA
PFTrDA -1.81 -	0.57 0.88	-0.57	-1.81											PFTrDA
PFTeDA	0.74	-0.99												PFTeDA
PFPeDA	0.62													PFPeDA
PFHxDA	0.50													PFHxDA
PFODA	0.39													PFODA
6:2 FTOH 1.26 1.70-2.03 2.85 2.94 -0.3 -0.35 -0.75 -0.79 1.95 1.34 1	1.73	1.34	1.34	1.95	-0.79	-0.75	-0.35	-0.3		2.94	2.85	1.70 - 2.03	1.26	6:2 FTOH
8:2 FTOH $0.60 0.30 - 0.60^{\alpha} 2.40 2.36 0.07 -0.14 -0.96 -0.85 1.55 0.21$	1.39	0.56	0.21	1.55	-0.85	-0.96	-0.14	0.07		2.36	2.40	$0.30-0.60^a$	0.60	8:2 FTOH
10:2 FTOH -0.69 -0.15 2.16 1.72 -0.49 -0.62 -1.86 -0.51 -0.88 -	0.26 1.10	-0.26	-0.88		-0.51	-1.86	-0.62	-0.49		1.72	2.16	-0.15	-0.69	10:2 FTOH
6:2 FTMAC	0.99													6:2 FTMAC
8:2 FTAC	1.10													8:2 FTAC
10:2 FTAC	0.82													10:2 FTAC
FOSA -0.99 1.82 -1.06 -	0.61 1.48	-0.61	-1.06			1.82		-0.99						FOSA
MeFOSA -	0.53 0.96	-0.53												MeFOSA
EtFOSA 0.85 -1.04 1.01 -	0.59	-0.93				1.01		-1.04		0.85				EtFOSA
MeFOSE -2.70 -0.15 -0.04 -1.81 -1.38 -1.42 -1.77 -	2.18 -1.71	-2.18	-1.77	-1.42	-1.38	-1.81		-0.04		-0.15			-2.70	MeFOSE
EtFOSE -2.07 -0.46 0.34 -1.07 -0.34 -1.77 -2.05 - ^a At 21 °C.	2.41 -2.12	-2.41	-2.05	-1.77	-0.34	-1.07		0.34		-0.46			-2.07	

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