

Figure 1. Sampling locations of foam and underlying bulk water.

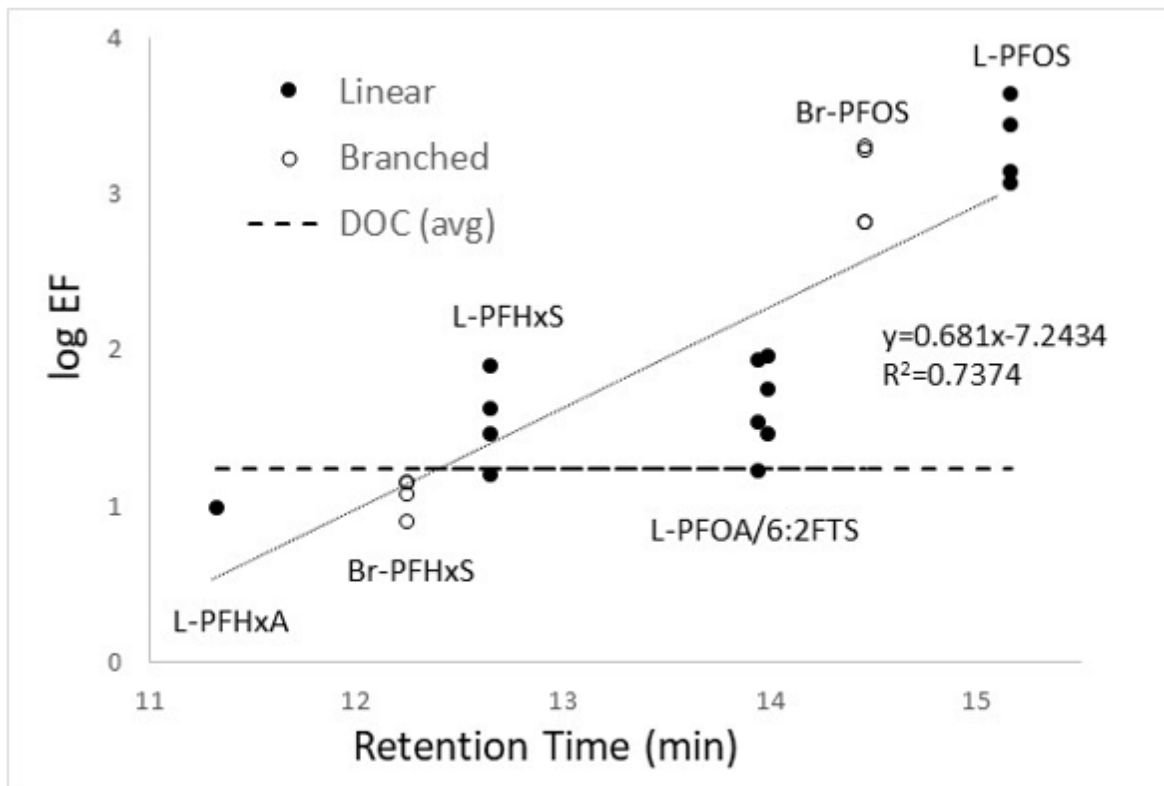


Figure 2. Log of enrichment factors ([Foam]/[Bulk]) plotted against chromatographic retention time. Linear isomers show higher enrichment than branched.

Table 1. Exposure and hazard estimates for foam and bulk water.

Age	Exposure (ng/kg-day)		Hazard Ratio	
	Foam	Bulk Water	Foam	Bulk Water
1 to <2	4.9 (70)	0.42 (3.0)	2.4 (35)	0.21 (1.5)
2 to <3	4.7 (92)	0.41 (4.0)	2.4 (46)	0.21 (2.0)
3 to <6	2.6 (47)	0.23 (2.0)	1.3 (23)	0.11 (1.0)
6 to <11	1.8 (25)	0.15 (1.1)	0.88 (13)	0.08 (0.54)
11 to <16	1.1 (22)	0.10 (0.96)	0.57 (11)	0.05 (0.48)
16 to <21	0.68 (12)	0.06 (0.53)	0.34 (6.1)	0.03 (0.26)
21+	0.51 (9.5)	0.04 (0.41)	0.26 (4.7)	0.02 (0.21)

Table 2. Concentrations of PFAS and dissolved organic carbon (DOC) in both foam and bulk water.

Sample ID	DOC	PFHxA	PFOA	PFNA	PFDA	PFUnD A	PFHxS	PFHpS	PFOS	PFNS	PFEtC HxS	FHxSA	EtFOSA A	SPr-FHxS A ^c	5:3 FTC A	6:2 FTS	8:2 FTS
Rt (min)	--	11.33	13.99	15.23	16.36	17.34	12.65	13.95	15.16	16.30	13.75	14.67	17.42	15.11	13.03	13.94	16.37
Foam 1	250,000,000	<LOQ	840 (8:92)	340 (9:91)	260 (5:95)	250 (8:92)	1,200 (7:93)	610 (13: 87)	32,000 (41:59)	<LOQ	340	950 (30:70)	<LOQ	ND	ND	830	<LOQ
Foam 2	240,000,000	140 (0:100)	1200 (7:93)	850 (7:93)	630 (5:95)	510 (9:91)	2,000 (6:94)	2,300 (12:88)	97,000 (49:51)	130 (70:30)	730	1,000 (29:71)	<LOQ	ND	ND	1300	100
Foam 3	330,000,000	<LOQ	1300 (7:93)	1500 (7:93)	960 (6:94)	660 (10:90)	1,700 (6:94)	2,800 (10:90)	68,000 (46:54)	130 (72:28)	560	1,100 (28:72)	130 (16:84)	ND	ND	1000	<LOQ
Foam 4	240,000,000	<LOQ	530 (6:94)	320 (6:94)	290 (5:95)	260 (8:92)	890 (7:93)	690 (12:88)	49,000 (41:59)	<LOQ	220	690 (36:64)	<LOQ	140	ND	770	130
Foam 5	260,000,000	ND	280 (10:90)	380 (11:89)	420 (12:88)	410 (9:91)	330 (14:86)	160 (13:87)	32,000 (49:51)	<LOQ	<LOQ	<LOQ	100 (21:79)	<LOQ	ND	<LOQ	<LOQ
Foam 6	250,000,000	ND	ND	<LOQ	<LOQ	110 (6:94)	<LOQ	ND	2,300 (43: 57)	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	190	ND	ND
Foam 7	230,000,000	ND	ND	ND	<LOQ	<LOQ	<LOQ	ND	2,300 (40:60)	<LOQ	<LOQ	<LOQ	<LOQ	ND	ND	ND	ND
Foam 8	210,000,000	ND	ND	<LOQ	<LOQ	190 (7:93)	<LOQ	ND	3,700 (40:60)	<LOQ	<LOQ	<LOQ	<LOQ	ND	ND	ND	ND
Back-ground	-- ^d	ND	<LOQ	130	420	340 (16:84)	ND	ND	1500 (34:66)	ND	ND	ND	ND	ND	ND	ND	ND
BW 1	12,000,000	13 (0:100)	15 (5:95)	<LOQ	<LOQ	<LOQ	46 (15:85)	<LOQ	36 (56:44)	ND	<LOQ	<LOQ	ND	ND	ND	24	ND
BW 2	16,000,000	14 (0:100)	13 (7:93)	<LOQ	<LOQ	<LOQ	52 (16:84)	<LOQ	43 (59:41)	ND	<LOQ	<LOQ	ND	ND	ND	15	ND
BW 3	15,000,000	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	27 (27:73)	<LOQ	24 (65:35)	ND	ND	ND	ND	ND	ND	<LOQ	ND
BW 4	15,000,000	15 (0:100)	18 (6:94)	<LOQ	<LOQ	<LOQ	59 (13:87)	<LOQ	51 (60:40)	ND	<LOQ	<LOQ	ND	ND	ND	45	ND
BW 5	21,000,000	<LOQ	<LOQ	ND	ND	ND	<LOQ	ND	<LOQ	ND	ND	ND	ND	ND	ND	ND	ND
BW 6	14,000,000	ND	<LOQ	ND	ND	ND	<LOQ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BW 7	14,000,000	ND	<LOQ	ND	ND	ND	<LOQ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BW 8	15,000,000	<LOQ	<LOQ	ND	ND	ND	<LOQ	ND	13 (55:45)	ND	ND	ND	ND	ND	ND	ND	ND
Back-ground	-- ^d	ND	<LOQ	ND	ND	ND	17 (0:100)	ND	28 (67:33)	ND	ND	ND	ND	ND	ND	ND	ND

^aLOQ for each analyte and matrix is found in Table S7. ^bND was defined as below the limit of detection (LOD) which was defined as 1/3 LOQ. ^cAnalyte found in suspect list at confidence level of 2. ^dNo sample was available for DOC analysis.