

SURFORM QC

5973 Sample run	Tube ID	SFT	Volume(L)	D8 RF	f factor
02062003	020620	1.000	1	1.020	1.0196
Surrogate spike volume(uL) =	250	<----- 030703	2	<-----	PRESPIKE=1 or POSTSPIKE=2
1,1-DFE spike volume(uL) =	0	<-----	2	<-----	PRESPIKE=1 or POSTSPIKE=2
FB spike volume(uL) =	0	<-----	2	<-----	PRESPIKE=1 or POSTSPIKE=2
10 p-Xylene spike volume(uL) =	0	<-----	2	<-----	PRESPIKE=1 or POSTSPIKE=2

Error for STD % = 10

Compound	Surrogate ng injected	Ions	Multipli- cation Factor	Ion Area (10E6)	TIC Area	TIC Area Avg	CONC. (ug/m3)	RF	TRF	RSR
1,1,1,2-Tetrafluoroethane 114.99	114.99	33	5.276	4.538	23.942	24.2941	24.77	4.733	4.642	5.2494
			2.966	8.062	23.912	0.5191				
			3.026	8.271	25.028					
1,4-Difluorobenzene 153.06	153.06	63	13.681	8.098	110.789	112.7552	115.00	1.357	1.331	1.1310
			13.769	8.171	112.506	1.7162				
			1.883	61.057	114.970					
D8 Toluene 130.03	130.03	98	2.480	51.351	127.350	127.5288	130.00	1.020	1.000	1.0000
			3.630	35.181	127.707	0.1783				
D26 Dodecane 0	0	46	1.000	-1	-1.000	-1.0000				
			1.000	-1	-1.000	0.0000				
			1.000	-1	-1.000					
Hexachlorobutadiene 114.81	114.81	223	10.089	19.309	194.809	194.9776	198.80	0.589	0.578	0.6541
			6.409	30.308	194.244	0.6787				
			10.040	19.51	195.880					
*	*	*	*	*	*	*	*	*	*	
1,1-Difluoroethane 34.27	0	51	2.932	-1	-2.932	-4.8360				
			6.740	-1	-6.740	1.9040				
			*	*	*	*	*	*	*	*
Fluorobenzene 160.94	0	70	9.369	-1	-9.369	-5.9305				
			2.492	-1	-2.492	3.4385				
			*	*	*	*	*	*	*	*
D10 p-Xylene 120	0	98	1.000	-1	-1.000	-1.0000				
			1.000	-1	-1.000	0.0000				

SURROGATE SUM = 468.57

f = RF8 x SFT / Volume

f x TIC = ug/m³

fn x RF8 x TIC = ug/m³

RF8 = f / fn

fn = f / RF8

RF = (ng / SFT) / TIC or ng / (TIC x SFT)

RFT = SFT x RFE

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